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# WOOD, VALLANCE & CO.

ESTD. 1849

No. 51 KING STREET EAST

Nos. 26, 28, 30, 32 HUGHSON STREET NORTH
40, 42, 44, 46, 48, 50, 52, 54, 56 KING WILLIAM STREET

## HARDWARE MERCHANTS

## HAMILTON, ONTARIO

870493

## BRONZE METAL FINISHES

The standard finish is the Natural Light Bronze, Highly Polished; and where the words **Real Bronze** or **Bronze Metal** are applied to any Locks, etc., in this Catalogue, this finish will be supplied.

**For description of other finishes see page 78.**

## BRONZED IRON FINISHES

BERLIN BRONZE—Dark background, polished raised surface.

BRONZE PLATED (No. 10 Finish), BRONZE PLATED (light color)—Black background, polished raised surface.

GENEVA BRONZE—Bronze plated (light color), black background, polished raised surface.

ROYAL BRONZE—Dark finish, unpolished surface.

TOKIO BRONZE——Bronze plated (light color), black background, polished raised surface.

TUSCAN BRONZE—Dark finish, unpolished surface.

**For description of other finishes see page 78.**

**For Tables of Weights, Measures, Etc., and Rules for ascertaining weights of different articles, see Index under letter T, and concluding pages of Catalogue.**

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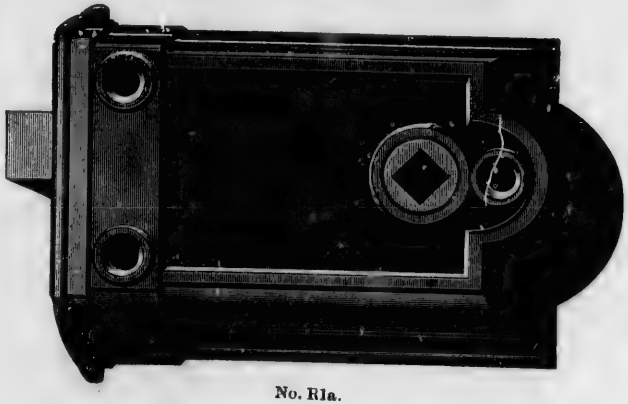
W
Y
Z

## HORIZONTAL RIM KNOB LATCHES.

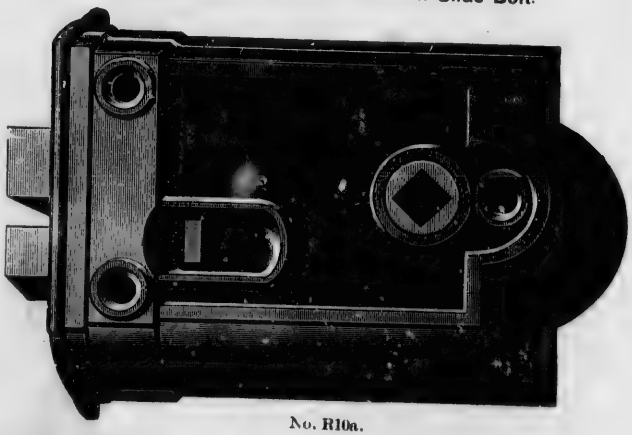


No. R1a.

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| 70 | R1a | 4 x 2½ | Iron Bolt | Per Dozen, $1.90 |
| 71 | R2a | 4 x 2½ | Brass Bolt | Per Dozen, 2.80 |

One-half dozen in a box.

## Horizontal Rim Knob Latch with Slide Bolt.



No. R10a.

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| 75 | R10a | 4 x 2⅝ | Iron Bolts, flush thumbpiece | Per Dozen, $2.50 |
| 76 | R11a | 4 x 2¼ | Brass Bolts, flush thumbpiece | Per Dozen, 3.80 |

One-half dozen in a box.

NOTE.—Corresponding numbers given of Peterboro' Locks, etc., are not fully represented by cuts shown, but are given only to enable comparison to be made of class of lock and price.

## HORIZONTAL RIM NIGHT LATCH

No. R20a

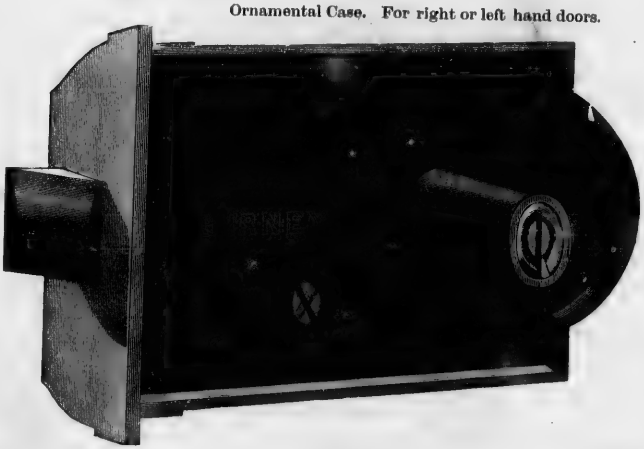
Class No. 50

Reversible, with Stop. Right or left hand.

| Peterboro' No. | Gurney's No. | Size. | |
|---|---|---|---|
| **80** | **R20a** | $2\frac{3}{4}$ x $2\frac{5}{8}$ | Iron bolt, brass slide knob, 2 nickel-plated steel keys.....Per Dozen, $6.00 |
| **82** | **R21a** | $2\frac{5}{8}$ x $2\frac{5}{8}$ | Brass bolt, brass slide knob, 2 nickel-plated steel keys.....Per Dozen, 8.00 |

## Horizontal Rim Tubular Night Latch

Ornamental Case. For right or left hand doors.



No. R30

Class No. 40

| Peterboro' No. | Gurney's No. | Size. | |
|---|---|---|---|
| **90** | **R30** | $2\frac{3}{4}$ x $3\frac{3}{4}$ | Iron bolt, brass pull back and stop knob, 2 nickel-plated flat steel keys. Per Dozen, $12.00 |
| **91** | **R31** | $2\frac{3}{4}$ x $3\frac{3}{4}$ | Brass bolt, brass pull back and stop knob, 2 nickel-plated flat steel keys. Per Dozen, 15.00 |
| | | | REVERSE BEVEL. |
| | **R32** | $2\frac{3}{4}$ x $3\frac{3}{4}$ | Iron bolt, brass pull back, stop knob, 2 nickel-plated flat steel keys..Per Dozen, $12.00 |
| | **R33** | $2\frac{3}{4}$ x $3\frac{3}{4}$ | Brass bolt, brass pull back, stop knob, 2 nickel-plated flat steel keys. Per Dozen, 15.00 |

Packed one-half dozen in a box.

Adjustable

Numbers.

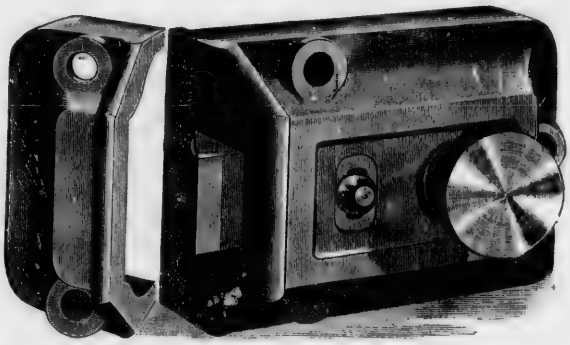
52

53

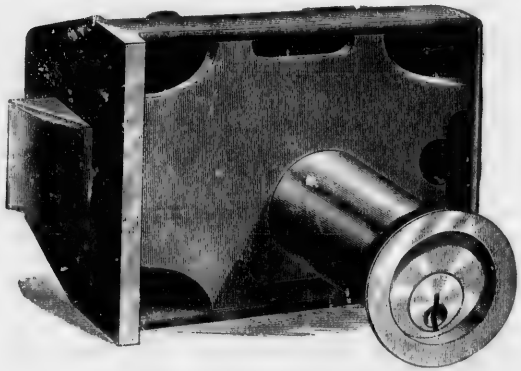
74

## HORIZONTAL RIM NIGHT LATCHES

BROOKLYN LOCK CO.



Nos. 52 and 53. Cuts full size.

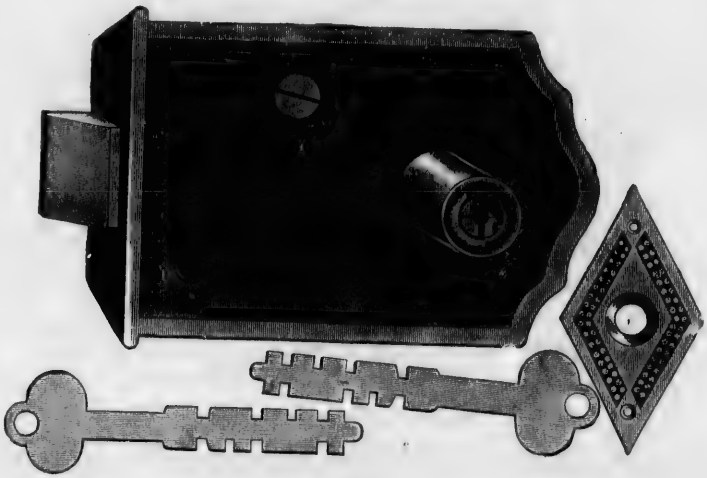


Adjustable to right and left hand doors. With Adjustable Escutcheon Sleeve, packed with Screws complete.
In ordering duplicate keys send sample.

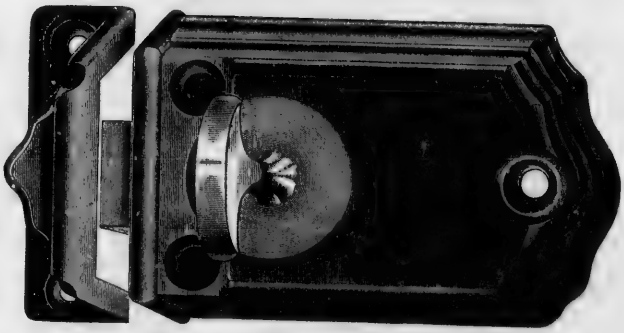
| Numbers. | Bevel. | Size of Latch, inches. | Escutcheons. | Knobs. | Bolts. | Per doz. |
|---|---|---|---|---|---|---|
| 52 | Regular. | 2¼ x 3 | Bronze. | Bronze Metal. | Iron. | $ 11.25 |
| 53 | Reverse. | " | " | " " | " | 11.25 |
| 74 | Regular. | 2⅜ x 3½ | " | " " | Bronze | 19.25 |

Quarter dozen in a box, with two keys for each lock.

## RIM NIGHT LATCHES



FRONT.



BACK.

Full size Cuts.

No. **156**—For right or left hand doors. Highly polished iron bolt, lacquered, brass nickel-plated pull back knob, 2 flat spring steel keys, ornamental, highly polished and lacquered bronze escutcheon.....Per Dozen, $8.00

Packed one in a box, complete with screws.

## UPRIGHT RIM KNOB LOCKS

Class No. 10.

No. R40a—4½ x 3¼

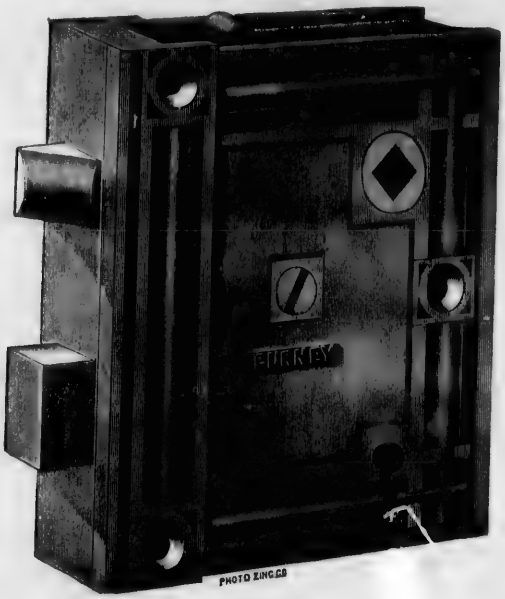
To reverse, remove the Cover and turn Latch Bolt.

| Peterboro' No. | Gurney's No. | Size. | | | |
|---|---|---|---|---|---|
| | | | REVERSIBLE—WITHOUT STOP. | | |
| 1215 | R 36 | 4½ x 3¼ | Iron bolts, coppered key | Per dozen | $2.40 |
| 1216 | R 36a | 4½ x 3¼ | Iron bolts, tinned key | Per dozen | 2.40 |
| | R 37 | 4½ x 3¼ | Iron bolts, tinned malleable key | Per dozen | 2.90 |
| | R 38 | 4½ x 3¼ | Iron bolts, nickel-plated key | Per dozen | 3.70 |
| | R 39 | 4½ x 3¼ | Brass bolts, nickel-plated key | Per dozen | 4.60 |
| | | | REVERSIBLE—WITH STOP. | | |
| 1220 | R 40a | 4½ x 3¼ | Iron bolts, coppered key | Per dozen | $2 50 |
| 1221 | R 41a | 4½ x 3¼ | Iron bolts, tinned key | Per dozen | 2.50 |
| 1222 | R 42 | 4½ x 3¼ | Iron bolts, tinned malleable key | Per dozen | 3.00 |
| 1222½ | R 43 | 4½ x 3¼ | Iron bolts, nickel-plated key | Per dozen | 3.50 |
| | R 44 | 4½ x 3¼ | Brass bolts, nickel-plated key | Per dozen | 4.70 |

Packed without knobs. One-half dozen in a box.

## UPRIGHT RIM KNOB LOCKS

Key for No. 880
Class No. 70




No. R660

Key for No. 60
Class No. 20

Reversible, with Stop. To reverse, remove the Cover and turn Latch Bolt.

| Peterboro' No. | Gurney's No. | Size. | | | |
|---|---|---|---|---|---|
| 1425 | R60 | 4 x 3½ | Iron bolts, flat steel key | Per dozen | $3.00 |
| 1426 | R60½ | 4 x 3½ | Iron bolts, flat steel nickel-plated key | Per dozen | 3.00 |
| 1427 | R61 | 4 x 3½ | Brass bolts, flat steel nickel-plated key | Per dozen | 4.50 |
| 1225 | R660½ | 4 x 3½ | Iron bolts, tinned malleable key | Per dozen | 3.50 |
| 1226 | R660 | 4 x 3½ | Iron bolts, nickel-plated steel key | Per dozen | 4.50 |
| 1227 | R661 | 4 x 3½ | Brass bolts, nickel-plated steel key | Per dozen | 5.50 |

No. R880 to R881

Reversible by simply pulling Latch Bolt forward and turning half around.

| | | | | | |
|---|---|---|---|---|---|
| 1230 | R880½ | 4 x 3½ | Iron bolts, tinned malleable key, 1 tumbler, 24 changes | Per dozen | 4.40 |
| 1231 | R880 | 4 x 3½ | Iron bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 5.50 |
| 1232 | R881 | 4 x 3½ | Brass bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 6.50 |

Packed without knobs. One-half dozen in a box.

## IMPROVED UPRIGHT RIM KNOB LOCKS

Key for No. 60
Class No. 30

Key for No. 1100
Class No. 70

No. R1100

Key for No. 1120
Class No. 80

**Reversible by simply pulling Latch Bolt forward and turning half around.**

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| **1240** | **R1100½** | 4½ x 3½ | Iron bolts, malleable key, 1 tumbler, 24 changes | Per dozen $5.20 |
| **1241** | **R1100** | 4½ x 3½ | Iron bolts, nickel-plated key, 1 tumbler, 24 changes | Per dozen 6.50 |
| **1242** | **R1101** | 4½ x 3½ | Brass bolts, nickel-plated key, 1 tumbler, 24 changes | Per dozen 8.00 |

Packed without knobs. One-half dozen in a box.

**No. R1120 to R1121**

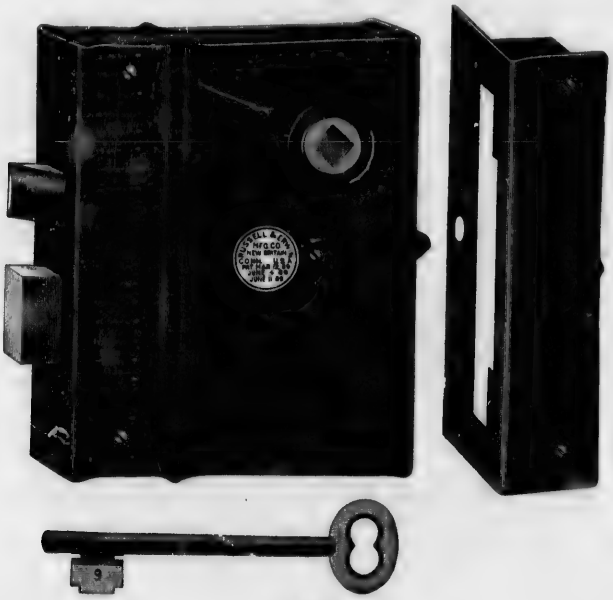
**Reversible by removing Cover and turning Latch Bolt.**

| | | | | |
|---|---|---|---|---|
| **1250** | **R1120½** | 5 x 3¾ | Iron bolts, tinned malleable key, 1 tumbler, 24 changes | Per dozen 9.00 |
| **1251** | **R1120** | 5 x 3¾ | Iron bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen 10.00 |
| **1252** | **R1121** | 5 x 3¾ | Brass bolts, nickel-plated steel key, 1 tumbler, 24 change | Per dozen 11.50 |

Packed without knobs. One-quarter dozen in a box.

WROUGHT STEEL

## UPRIGHT RIM KNOB LOCKS



No. 3820

IVORY BLACK FINISH.

Janus Face, reversible Latch Bolt, with Stop, without Knobs.

Packed complete, with Screws and Escutcheons.

### 4 x 3⅛ inch.

No **3800**—2 iron bolts, nickel plated key, 4 changes ..... Per Dozen $3 00
No. **3802**—2 iron bolts, nickel-plated patent steel key, 4 changes..... Per Dozen 3 25

### 4¼ x 3⅛ inch.

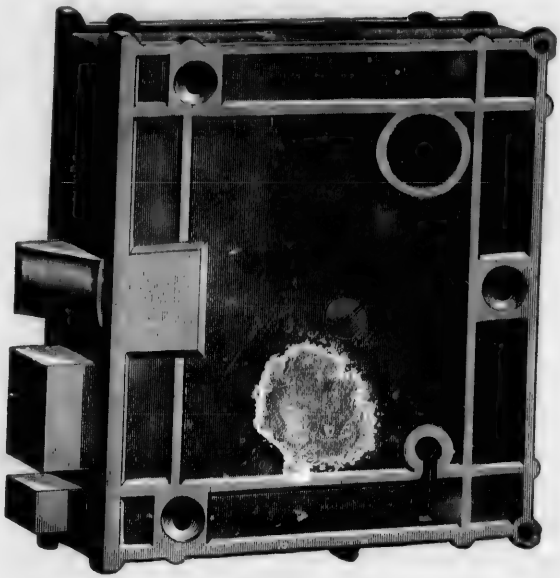
No. **3820**—2 iron bolts, nickel-plated key, 12 changes ..... Per Dozen $4 25

Reversible by removing cover and turning latch bolt.

Half dozen in a box.

## UPRIGHT RIM KNOB LOCK

Key for No. R1130
Class No. 80



No. R770

Key for R770
R1110
Class No. 60

**Reversible by removing Cover and turning Latch Bolt.**

| Peterboro No. | Gurney's No. | Size. | | | |
|---|---|---|---|---|---|
| 1235 | R770 | 4 x 8½ | 3 Iron bolts, tinned malleable key, 1 tumbler, 24 changes | Per dozen | $ 5.50 |
| 1236 | R771 | 4 x 3½ | 3 Iron bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 6.50 |
| 1237 | R772 | 4 x 3½ | 3 Brass bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 8.50 |
| | R773 | 4 x 3½ | 3 Iron bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 8.50 |
| | R774 | 4 x 3½ | 3 Brass bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 10.50 |
| 1245 | R1110 | 4½ x 3½ | 3 Iron bolts, tinned malleable key, 1 tumbler, 24 changes | Per dozen | 6.50 |
| 1246 | R1111 | 4½ x 3½ | 3 Iron bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 7.50 |
| 1247 | R1112 | 4½ x 3½ | 3 Brass bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 9.00 |
| 1248 | R1113 | 4½ x 3½ | 3 Iron bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 11.50 |
| 1249 | R1114 | 4½ x 3½ | 3 Brass bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 13.00 |

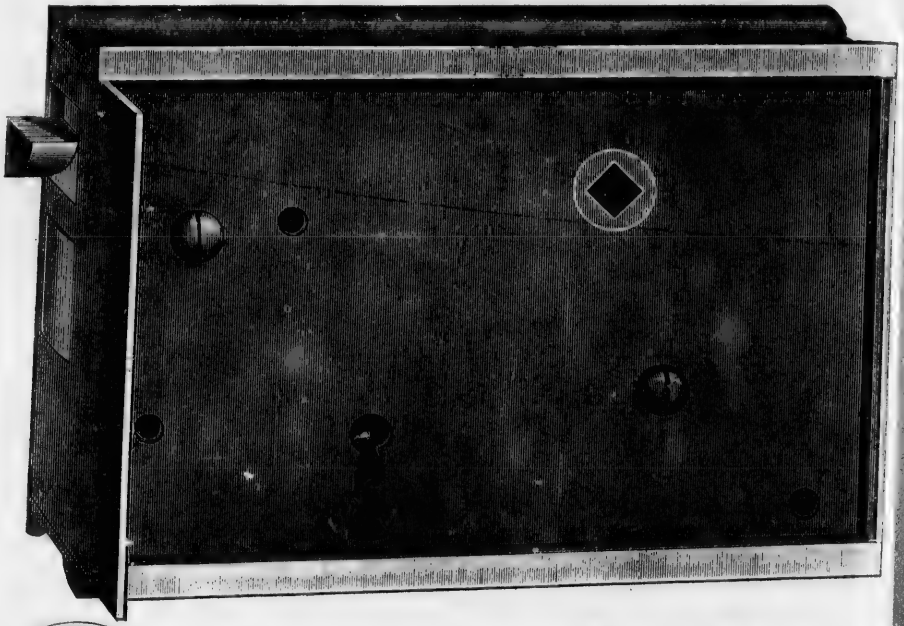
**Packed without knobs. Half dozen in a box.**

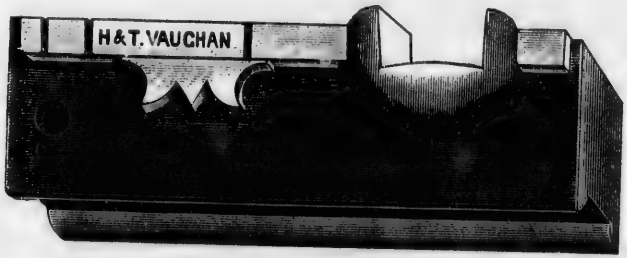
| | | | | | |
|---|---|---|---|---|---|
| 1260 | R1130½ | 5 x 3⅞ | 3 Iron bolts, tinned malleable key, 1 tumbler, 24 changes | Per dozen | 10.00 |
| 1261 | R1130 | 5 x 3⅞ | 3 Iron bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 11.50 |
| 1262 | R1131 | 5 x 3⅞ | 3 Brass bolts, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen | 13.50 |
| 1263 | R1134 | 5 x 3⅞ | 3 Iron bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 15.00 |
| 1264 | R1135 | 5 x 3⅞ | 3 Brass bolts, nickel-plated steel key, 3 tumblers, 72 changes | Per dozen | 17.00 |

**Packed without knobs. One-quarter dozen in a box.**

## HORIZONTAL RIM KNOB LOCKS

WROUGHT IRON, CARPENTER'S PATTERN






**No. 60a.** Polished Iron Bolts, Wrought Key.

| | | |
|---|---|---|
| No. **60a**—5 x 4 inch, 2 iron bolts | Per dozen | $6 75 |
| No. **60a**—6 x 4½ inch, 2 iron bolts | Per dozen | 7 00 |
| No. **60a**—7 x 4½ inch, 2 iron bolts | Per dozen | 9 50 |
| No. **60a**—8 x 4½ inch, 2 iron bolts | Per dozen | 18 75 |

When ordering please say whether for right or left hand doors.

**No. 14405.** Reversible, Polished Iron Bolts.

| | | |
|---|---|---|
| No. **14405**—6 x 4 inch, slide latch bolt | Per dozen | $9 50 |

Half dozen in a package.

## IMPROVED HORIZONTAL RIM DEAD LOCKS

Key for R200
Class No. 20

No. R2220

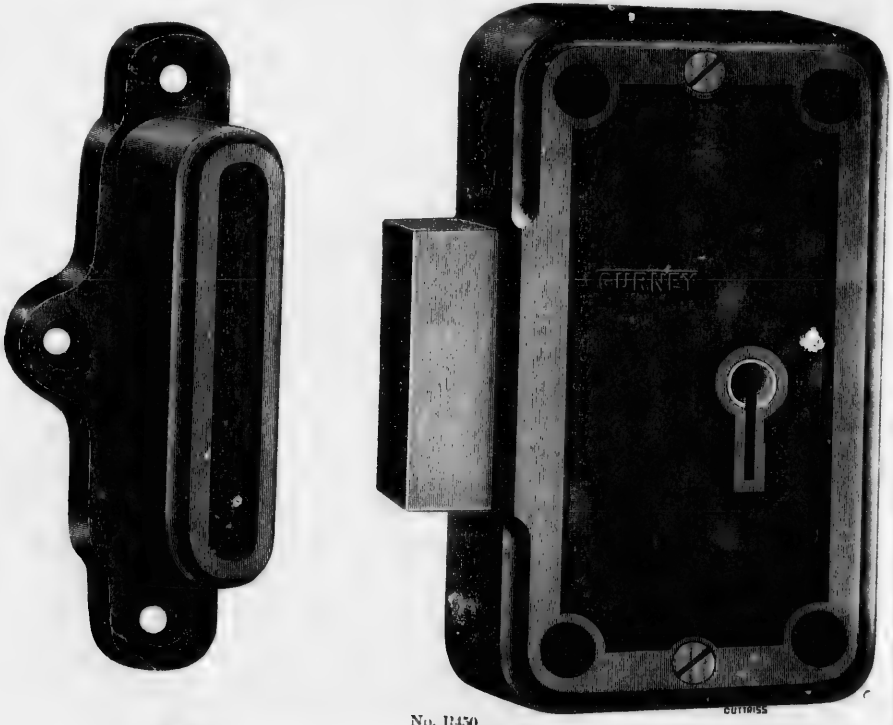
Key for R2200
R2220
Class No. 70

FOR RIGHT OR LEFT HAND DOORS.

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| | R200 | 3½ x 2½ | Iron bolt, flat steel key, 1 tumbler, 24 changes | Per dozen $2.50 |
| | R201 | 3½ x 2½ | Brass bolt, flat steel key, 1 tumbler, 24 changes | Per dozen 3.50 |
| 120 | R2200½ | 3½ x 2½ | Iron bolt, tinned malleable key, 1 tumbler, 24 changes | Per dozen 2.00 |
| 121 | R2200 | 3½ x 2⅝ | Iron bolt, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen 2.80 |
| 122 | R2201 | 3½ x 2⅝ | Brass bolt, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen 3.50 |
| 130 | R2220½ | 4 x 2½ | Iron bolt, tinned malleable key, 1 tumbler, 24 changes | Per dozen 3.00 |
| 131 | R2220 | 4 x 2½ | Iron bolt, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen 3.80 |
| 132 | R2222 | 4 x 2½ | Brass bolt, nickel-plated steel key, 1 tumbler, 24 changes | Per dozen 4.80 |
| | R2223 | 4 x 2½ | Brass bolt, nickel-plated steel key, 2 tumblers, 45 changes | Per dozen 7.50 |
| 140 | R2230½ | 5 x 3½ | Iron bolt, tinned malleable key, 1 steel tumbler, 24 changes | Per dozen 4.00 |
| 141 | R2230 | 5 x 3½ | Iron bolt, nickel-plated steel key, 1 steel tumbler, 24 changes | Per dozen 4.80 |
| 142 | R2231 | 5 x 3½ | Brass bolt, nickel-plated steel key, 1 steel tumbler, 24 changes | Per dozen 6.00 |
| 144 | R2232 | 5 x 3½ | Brass bolt, nickel-plated steel key, 3 steel tumblers, 72 changes | Per dozen 9.00 |

Packed one-half dozen in a box, with screws.

## RIGHT OR LEFT HAND UPRIGHT RIM STORE DOOR DEAD LOCKS




No. R450

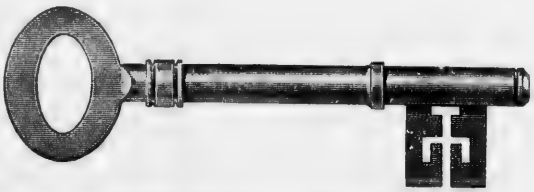
Class No. 100

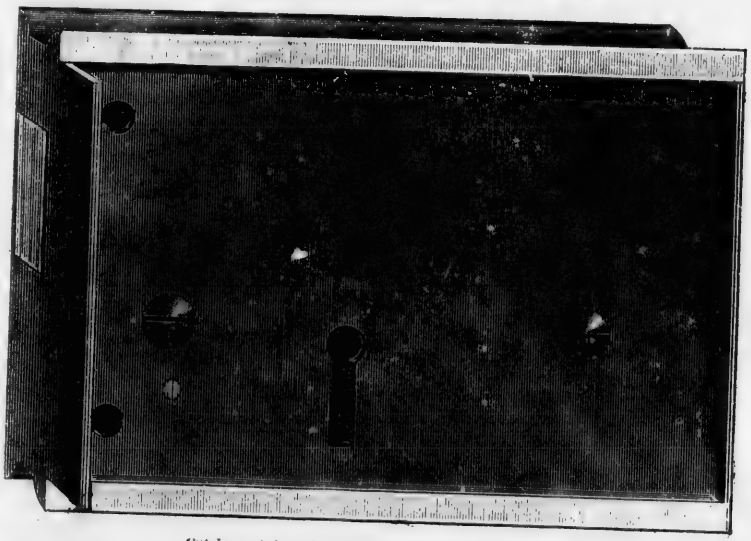
| Peterboro' No. | Gurney's No. | Size. | | | |
|---|---|---|---|---|---|
| 441 | R440 | 4 x 2½ | Iron bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | $14 50 |
| 442 | R441 | 4 x 2½ | Brass bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | 18 50 |
| 443 | R442 | 4 x 2½ | Iron bolt, 2 folding nickel-plated steel keys, 3 tumblers | Per dozen | 24 00 |
| 444 | R443 | 4 x 2½ | Brass bolt, 2 folding nickel plated steel keys, 3 tumblers | Per dozen | 26 00 |
| 451 | R450 | 5 x 3 | Iron bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | 14 50 |
| 452 | R451 | 5 x 3 | Brass bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | 19 00 |
| 453 | R452 | 5 x 3 | Iron bolt, 2 folding nickel-plated steel keys, 3 tumblers | Per dozen | 25 00 |
| 454 | R453 | 5 x 3 | Brass bolt, 2 folding nickel-plated steel keys, 3 tumblers | Per dozen | 27 00 |
| 461 | R460 | 6 x 3½ | Iron bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | 16 50 |
| 462 | R461 | 6 x 3½ | Brass bolt, 2 folding nickel-plated steel keys, 1 tumbler | Per dozen | 24 50 |
| 463 | R462 | 6 x 3½ | Iron bolt, 2 folding nickel-plated steel keys, 3 tumblers | Per dozen | 27 00 |
| 464 | R463 | 6 x 3½ | Brass bolt, 2 folding nickel-plated steel keys, 3 tumblers | Per dozen | 29 00 |

Packed with japanned escutcheons, one in a box

## HORIZONTAL RIM DEAD LOCKS

WROUGHT IRON



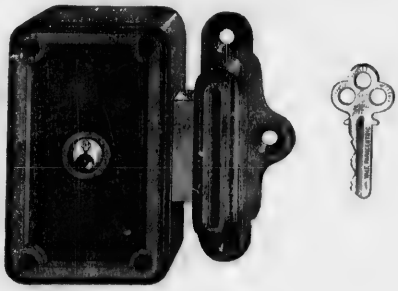


Cut does not show circular brass bushing around keyhole.

| | | | |
|---|---|---|---|
| No. 479E | 5 x 3½ inch, polished iron bolts, brass bushed keyhole | Per dozen | $5.25 |
| No. 479E | 6 x 3½ inch, polished iron bolts, brass bushed keyhole | Per dozen | 6.00 |
| No. 479E | 7 x 4 inch, polished iron bolts, brass bushed keyhole | Per dozen | 8.25 |
| | Half dozen in a package. | | |
| No. 38 | 8 x 5½ inch, 2 keys, polished iron bolts, brass bushed keyhole | Per dozen | 25.50 |
| | One-quarter dozen in a package. | | |

When ordering please mention whether for right or left hand doors.

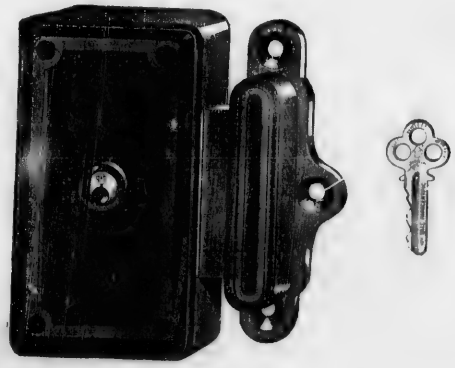
## YALE UPRIGHT RIM DEAD LOCKS



Half size cuts.

No. **10**—Japanned, plated shield escutcheon..... Each 85
No. **12**—Japanned, bronze shield escutcheon..... Each

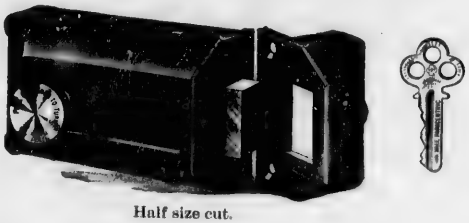
Size, 4 x 2½ inches; distance from edge of door to centre of escutcheon, 1¼ inches; reversible, applicable to doors from 1⅛ to 2⅞ inches thick, operated from both sides by key, three keys to each.
Packed one in a box with screws.



No. **2**—Japanned, plated shield escutcheon..... Each 85
No. **4**—Japanned, bronze shield escutcheon..... Each

Size, 5 x 3 inches; distance from edge of door to centre of escutcheon, 1½ inches; reversible, applicable to doors from 1½ to 4 inches thick, operated from both sides by key, four keys to each.
Packed one in a box with screws.

## YALE HORIZONTAL RIM DEAD LOCK



Half size cut.

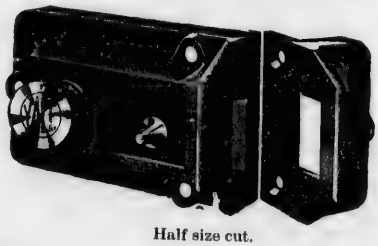
No. 33—Japanned, bronze circular escutcheon, bronze knob..... Each $3.30

Size, 2⅜ x 3½; distance from edge of door to centre of escutcheon, 2⅜ inches; reversible, applicable to doors from ⅞ to 2¼ inches thick, operated from outside by key only and from inside by knob, three keys to each.

Packed one in a box with screws.

## Yale Rim Night Latches

Half size cut of key.



Half size cut.

Full size cut of Escutcheon.

No. 40—Japanned, plated escutcheon, plated knob..... Each $2.40

No. 41—Japanned, plated escutcheon, bronze knob..... Each 2.70

No. 42—Japanned, bronze escutcheon, bronze knob..... Each 2.40

If reverse bevel is wanted it must be stated in order.

Size, 2⅜ x 3½ inches; distance from edge of door to centre of escutcheon, 2⅜ inches, reversible, applicable to doors from ⅞ to 2¼ inches thick, operated by key from outside and knob from inside, bolt can be held back by setting stop, three keys to each.

Packed one in a box with screws.

## Yale Blank Keys

Style of Nos. 6 and 7.

Style of Nos. 2, 3 and 4.

Style of Nos. 8 and 9.

No. 2—For flat key cupboard locks..... Per dozen $1.20

No. 3—For flat key rim night latches..... Per dozen 1.20

No. 4—For flat key store door and chest locks..... Per dozen 1.20

No. 6—For corrugated key locks and latches (except cabinet locks)..... Per dozen 1.95

No. 7—For corrugated key cabinet locks with ⅝ inch noses..... Per dozen 1.95

No. 8—For all paracentric key locks and latches (except cabinet with short noses)..... Per dozen 2.65

No. 9—For paracentric key cabinet locks with ⅝ inch noses..... Per dozen 2.65

## MORTISE KNOB LATCH

No. M95

No. M90

ROUND EDGE.

| Peterboro' No. | Gurney's No. | Size. | | | |
|---|---|---|---|---|---|
| | M80 | 3½ x 1½ | Lacquered iron front and striking plate, iron bolt .. ..... | Per dozen | 81 1 |
| | M81 | 3½ x 1½ | Lacquered iron front and striking plate, brass bolt..... ..... ..... | Per dozen | 2 6 |
| | M82 | 3½ x 1½ | Brass front and striking plate, brass bolt ..... | Per dozen | 3 2 |
| | M83 | 3½ x 1½ | Plain bronze front and striking plate, bronze bolt..... ..... | Per dozen | 3 5 |
| | M84 | 3½ x 1½ | Ornamental bronze front and striking plate, bronze bolt..... | Per dozen | 3 5 |
| | M85 | 3½ x 1½ | Ornamental bronze front and striking plate, dark enamelled ground finish bronze bolt..... ..... ..... ..... | Per dozen | 3 5 |
| | M86 | 3½ x 1½ | Ornamental imitation bronzed front and striking plate, brass bolt.. | Per dozen | 3 2 |
| | M87 | 3½ x 1½ | Ornamental Geneva bronzed front and striking plate, brass bolt .... | Per dozen | 3 2 |
| 1 | M90 | 3½ x 1½ | Lacquered iron front and striking plate, iron bolt ..... .. | Per dozen | 2 8 |
| 2 | M91 | 3½ x 1½ | Lacquered iron front and striking plate, brass bolt ..... | Per dozen | 2 6 |
| 3 | M92 | 3½ x 1½ | Brass front and striking plate, iron bolt ..... ..... ..... | Per dozen | 2 8 |
| 4 | M93 | 3½ x 1½ | Brass front and striking plate, brass bolt ..... ..... | Per dozen | 3 1 |
| | M94 | 3½ x 1½ | Plain bronze front and striking plate bronze bolt.... ..... | Per dozen | 3 5 |
| 2001 } 2301 } | M95 | 3½ x 1½ | Ornamental bronze front and striking plate bronze bolt . .... | Per dozen | 3 5 |
| | M96 | 3½ x 1½ | Ornamental imitation bronzed front and striking plate, brass bolt . | Per dozen | 3 2 |
| 4001 } 4301 } | M97 | 3½ x 1½ | Ornamental Geneva bronzed front and striking plate, brass bolts ... | Per dozen | 3 2 |

Packed one half-dozen in a box. Nos. M84, 85, 86, 87 M94 95, 96, 97 packed with screws.

## MORTISE KNOB LOCKS

No. M900

Key for 900 and 1000
Class No. 110

Key for 1110
Class No. 120

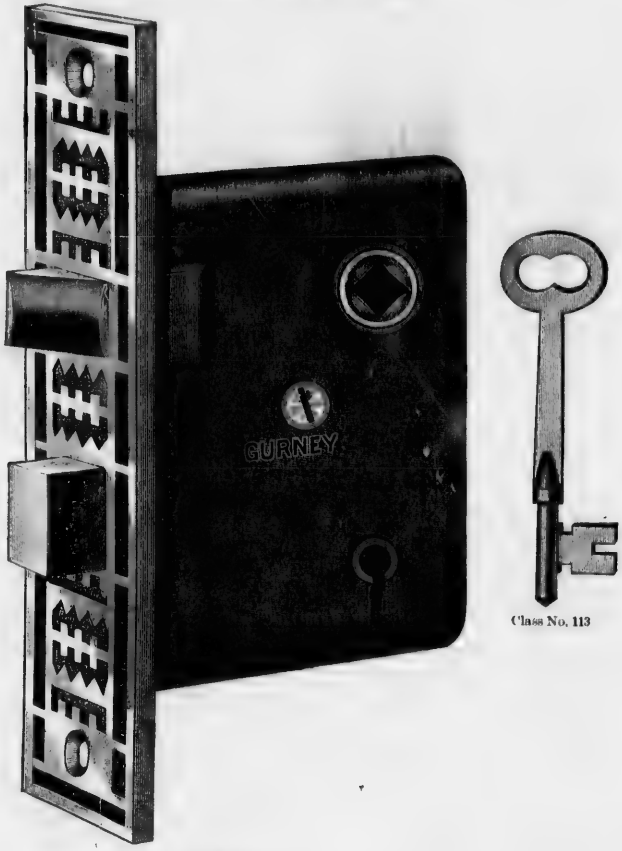
ROUND EDGES.

Reversible by removing Cover and turning Latch Bolt.

| Berborough No. | Gurney's No. | Size. | | Per dozen. |
|---|---|---|---|---|
| 206 | M900 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, tinned iron key, 1 tumbler..... | $2.50 |
| 205 | M901 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, coppered iron key, 1 tumbler..... | |
| 210 | M902 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, tinned malleable key, 1 tumbler.... | 2.50 |
| 211 | M903 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, nickel-plated steel key, 1 tumbler. | 3.20 |
| 217 | M904 | 3½ x 3¼ | Coppered iron front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler | 3.80 |
| 218 | M904½ | 3½ x 3¼ | Plain brass front and striking plate, iron bolts, nickel-plated steel key, 1 tumbler | 4.50 |
| 219 | M905 | 3½ x 3¼ | Plain brass front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler.. | 5.00 |
| 519 | M906 | 3½ x 3¼ | Plain bronze front and striking plate, bronze bolts, nickel-plated steel key, 1 tumbler. | 5.50 |
| | M1000 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, tinned iron key, 1 tumbler..... | 8.00 |
| | M1001 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, coppered iron key, 1 tumbler..... | 2.80 |
| | M1002 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, tinned malleable key, 1 tumbler.... | 2.80 |
| | M1003 | 3½ x 3¼ | Coppered iron front and striking plate, iron bolts, nickel-plated key, 1 tumbler.... | 3.40 |
| | M1004 | 3½ x 3¼ | Coppered iron front and striking plate, brass bolts, nickel-plated key, 1 tumbler.... | 4.00 |
| | M1110 | 3½ x 3¼ | Brass front, striking plate and bolts, nickel-plated steel key, 1 tumbler... | 4.80 |
| | M1111 | 3½ x 3¼ | Plain bronze front and striking plate, bronze bolts, nickel-plated steel key, 1 tumbler | 6.00 |
| | | | | 8.50 |

Packed without knobs. One-half dozen in a box.

## MORTISE KNOB LOCKS




Class No. 113

No. M907

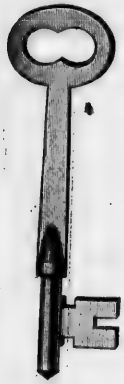
ROUND EDGES—NICKEL-PLATED STEEL KEYS.

Reversible by removing Cover and turning Latch Bolt.

| Peterboro' No. | Gurney's No. | Size. | |
|---|---|---|---|
| | M907 | 3½ x 3½ | Ornamental brass front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler ..... Per dozen |
| 2108 | M908 | 3½ x 3½ | Ornamental brass front and striking plate, dark enamelled ground finish, brass bolts, nickel-plated steel key, 1 tumbler ..... Per dozen |
| 4108 | M909 | 3½ x 3½ | Ornamental imitation brass front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler ..... |
| | M810 | 3½ x 3½ | Ornamental Geneva bronzed front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler ..... |

Packed without knobs. One-half dozen in a box.

## MORTISE KNOB LOCKS



Class No. 120

No. M1112

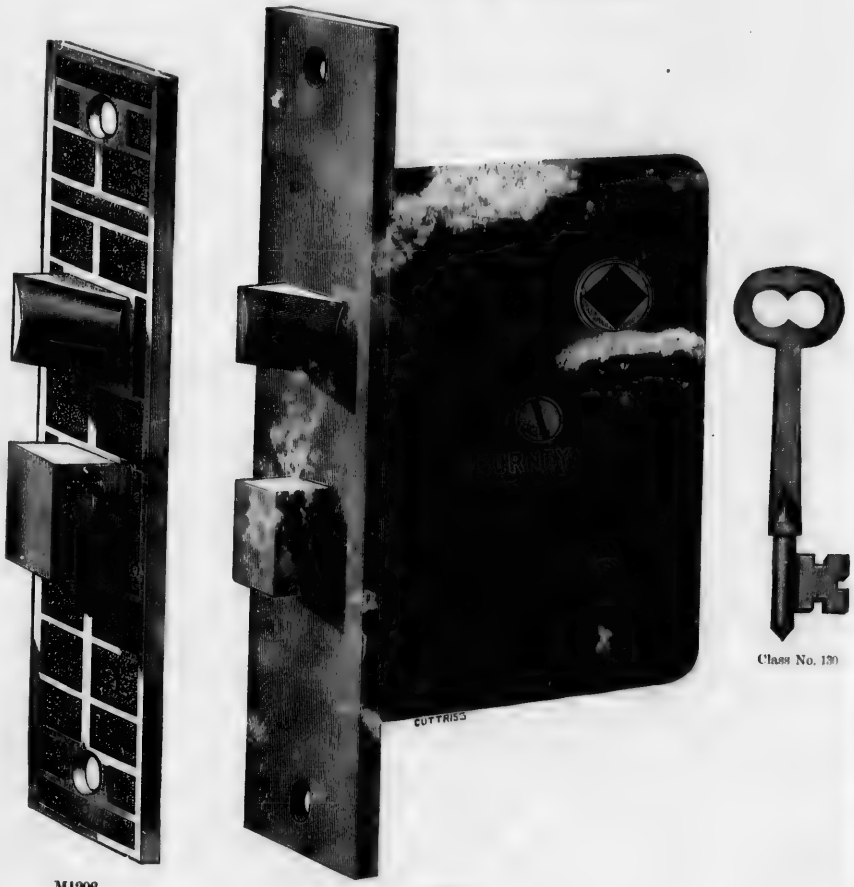
ROUND EDGES—NICKEL-PLATED STEEL KEYS.

Reversible by removing Cover and turning Latch Bolt.

| No. | Size. | | |
|---|---|---|---|
| M1112 | 3¼ x 3¼ | Ornamental bronze front and striking plate, bronze bolts, nickel-plated steel key, 1 tumbler ..... Per dozen | $8 50 |
| M1113 | 3¼ x 3¼ | Ornamental bronze front and striking plate, dark enamelled ground finish, bronze bolts, nickel-plated steel key, 1 tumbler ..... Per dozen | 8.50 |
| M1114 | 3¼ x 3¼ | Ornamental imitation bronzed front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler ..... Per dozen | 7.00 |
| M1115 | 3¼ x 3¼ | Ornamental Geneva bronzed front and striking plate, brass bolts, nickel-plated steel key, 1 tumbler ..... Per dozen | 7.00 |

Packed without knobs. One-half dozen in a box.

## IMPROVED MORTISE KNOB LOCKS




M1206 M1200 Class No. 130

ROUND EDGES—NICKEL-PLATED STEEL KEYS.

Reversible by simply pulling Latch Bolt forward and turning half around.

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| 226 | M1200½ | 4 x 3½ | Plain brass front and striking plate, iron bolts, nickel-plated steel key, 1 steel tumbler, 24 changes ..... Per dozen | $6 |
| 227 | M1200 | 4 x 3½ | Plain brass front, bolts and striking plate, nickel plated steel key, 1 steel tumbler, 24 changes ..... Per dozen | 7 |
| | M1201 | 4 x 3½ | Plain bronze front, bolts and striking plate, nickel-plated steel key, 1 steel tumbler, 24 changes ..... Per dozen | 9 |
| | M1206 | 4 x 3½ | Ornamental bronze front and striking plate, iron bolts, nickel-plated steel key, 1 tumbler, 24 changes ..... Per dozen | 9 |
| | M1207 | 4 x 3½ | Same description as No. M1206, dark enamelled ground finish ..... Per dozen | 9 |

Packed without knobs. One-half dozen in a box.

| No. | Size. |
|---|---|
| 1208 | 4 x 3½ |
| 1209 | 4 x 3½ |
| 1210 | 4 x 3½ |
| 11 | 4 x 3½ |
| 1212 | 4 x 3½ |
| 1213 | 4 x 3½ |

## IMPROVED MORTISE KNOB LOCKS

Class No. 130

No. M1208

ROUND EDGES—NICKEL-PLATED STEEL KEYS.

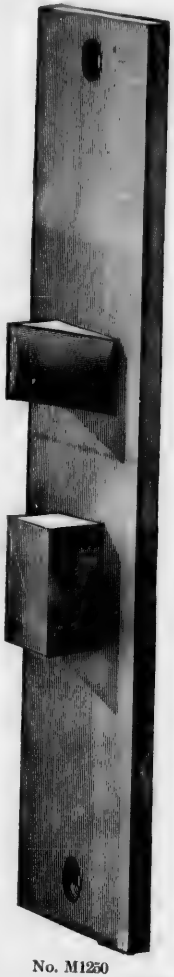
Reversible by simply pulling Latch Bolt forward and turning half around.

Escutcheons suitable, 269, 269, 270, 271, 272, 273.

| No. | Size. | | |
|---|---|---|---|
| M1208 | 4 x 3½ | Ornamental gold bronze front and striking plate, bronze bolts, nickel-plated steel key, 1 steel tumbler, 24 changes ..... Per dozen | $10.00 |
| M1209 | 4 x 3½ | Ornamental chocolate bronze, description as No. M1208 ..... Per dozen | 10.00 |
| M1210 | 4 x 3½ | Ornamental light bronze, dark enamel ground finish, description as No. M1208 ..... Per dozen | 10.00 |
| M1211 | 4 x 3½ | Ornamental antique copper, description as No. M1208 ..... Per dozen | 11.00 |
| M1212 | 4 x 3½ | Ornamental antique brass, description as No. M1208 ..... Per dozen | 11.00 |
| M1213 | 4 x 3½ | Ornamental antique silver, description as No. M1208 ..... Per dozen | 11.00 |

Packed without knobs. One-half dozen in a b...

## MORTISE KNOB LOCKS



Class No. 1.

No. M1250

No. M1252

ROUND EDGES—NICKEL-PLATED STEEL KEYS.

Reversible by removing Cover and turning Latch Bolt.

Escutcheons suitable (for No. M1250) 450. 452; (for No. M1252), 274, 275, 276, 277, 279.

| Peterboro' No. | Gurney's No. | Size. | | |
|---|---|---|---|---|
| 240 | M1250 | 4½ x 3½ | Plain brass front striking plate and bolts, nickel-plated steel key, 1 steel tumbler, 24 changes.....Per dozen | $11 |
| 540 | M1251 | 4½ x 3½ | Plain bronze front striking plate and bolts, nickel-plated steel key, 1 steel tumbler, 24 changes.....Per dozen | 12 |
| | M1252 | 4½ x 3½ | Ornamental gold bronze front and striking plate, bronze bolts, nickel-plated steel key, 1 steel tumbler, 24 changes.....Per dozen | 12 |
| | M1253 | 4½ x 3½ | Ornamental chocolate bronze, description as No. M1252.....Per dozen | 12 |
| | M1254 | 4½ x 3½ | Ornamental light bronze, dark enamel ground finish, description as No. M1252.....Per dozen | 12 |
| | M1255 | 4½ x 3½ | Ornamental antique copper, description as No. M1252.....Per dozen | 12.0 |
| | M1256 | 4½ x 3½ | Ornamental antique brass, description as No. M1252.....Per dozen | 13.2 |
| | M1257 | 4½ x 3½ | Ornamental antique silver, description as No. M1252.....Per dozen | 13.2 |
| | | | Packed without knobs. One-half dozen in a box. | 15.0 |

## WROUGHT STEEL MORTISE KNOB LOCKS

No. 1750

3½ x 3 inches.

BRIGHT STEEL CASES. REVERSIBLE LATCH BOLT.

NICKEL-PLATED KEYS.

Complete with Screws and Escutcheons. Reversible by removing Cover and turning Latch Bolt.

No. **1750**—Polished steel front, 2 iron bolts, nickel-plated keys..... Per dozen $ 3.25

No. **1754**—Polished brass front, 2 iron bolts, steel keys..... Per dozen 7.25

Packed without knobs. Half dozen in a box.

## REVERSIBLE RABBETED MORTISE KNOB LOCKS

PETERBOROUGH LOCK MFG. CO.

Class No. 37

ROUND EDGE. RIGHT OR LEFT HAND. JAPANNED CASE.

| No. | Size. | | | |
|---|---|---|---|---|
| **270** | 4½ x 3½ | Bronze front, bolts and strike, nickel-plated steel key, 1 steel tumbler..... | Per dozen | $25.00 |
| **271** | 4½ x 3½ | Bronze front, bolts and strike, nickel-plated steel key, 3 steel tumblers..... | Per dozen | 32.00 |
| **280** | 5 x 3½ | Bronze front, bolts and strike, nickel-plated steel key, 1 steel tumbler..... | Per dozen | 28.00 |
| **281** | 5 x 3½ | Bronze front, bolts and strike, nickel-plated steel key, 3 steel tumblers..... | Per dozen | 34.00 |

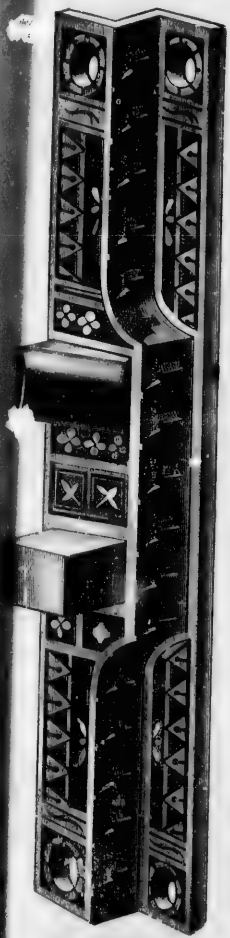
To reverse remove the Screws that hold the Front on, take off the Front, and reverse both the Latch and the Front.

Packed without knobs. Quarter dozen in a box.

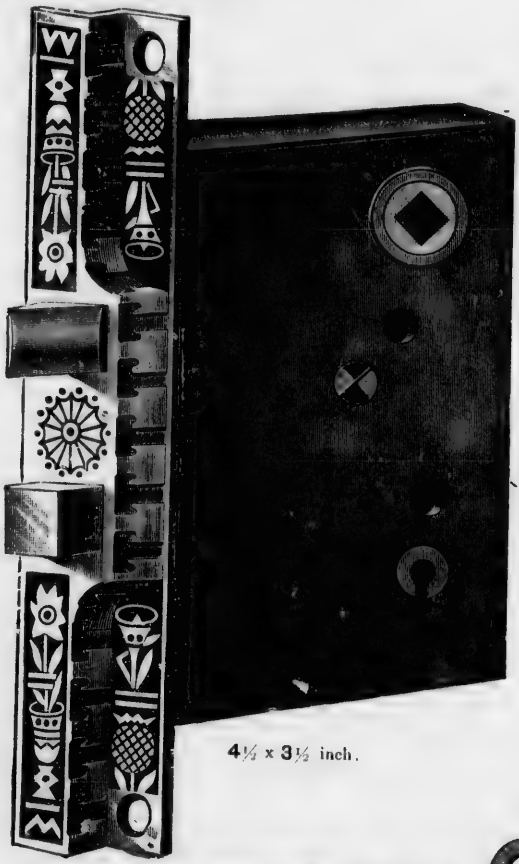
REVERSIBLE

## RABBETED MORTISE KNOB LOCKS

PETERBOROUGH LOCK MFG. CO.



Nos. 2270, 2271



Nos. 2270, 2271

4½ x 3½ inch.

Class No. 37.

| Escutcheon suitable for Lock Number | | Rose and Escutcheon Numbers | Drop Escutcheon | Plate Escutcheon | Plate Escutcheon | Ornamental. |
|---|---|---|---|---|---|---|
| " " | 2270 | " 2577 | 2581 | 2582 | 2583 | " |
| " " | 2271 | " 2577 | 2581 | 2582 | 2583 | " |
| " " | 2370 | " 2677 | 2681 | 2682 | 2683 | " |
| " " | 2371 | " 2677 | 2681 | 2682 | 2683 | " |
| " " | 2380 | " 2576 | 2581 | 2582 | 2583 | " |
| " " | 2381 | " 2576 | 2581 | 2582 | 2583 | " |
| " " | 2380 | " 2676 | 2681 | 2682 | 2683 | " |
| " " | 2381 | " 2676 | 2681 | 2682 | 2683 | " |

For description see page 20.

REVERSIBLE

## RABBETED MORTISE KNOB LOCKS

Right or left hand.

ORNAMENTAL REAL BRONZE FRONTS.

### 4½ x 3½ inch.

ROUND EDGE. JAPANNED CASE. PACKED WITH JAPANNED ESCUTCHEONS.

No.
**2270** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 1 steel tumbler. Per dozen 825 0

**2271** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 3 steel tumblers. Per dozen 32 0

**2370** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 1 steel tumbler. Per dozen 2[illegible]

**2371** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 3 steel tumblers. Per dozen 32 0

### 5 x 3¾ inch.

**2280** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 1 steel tumbler. Per dozen 28 0

**2281** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 3 steel tumblers. Per dozen 31 0

**2380** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 1 steel tumbler. Per dozen 28 0

**2381** Ornamental real bronze, front and strike, bronze bolts, nickel-plated steel key, 3 steel tumblers. Per dozen 31 0

TO REVERSE.—Remove the screws that hold the Front on, take off the Front, and reverse both the Latch and the Front.

Furnished in No. 1 finish - - - - - (Natural light bronze).

Furnished in No. 2 finish - - - - - (Chocolate bronze).

Furnished in No. 3 finish - - (Light surface, black background).

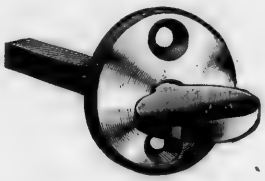
Packed without knobs. Quarter dozen in a box.

See page 25 for cuts.

No. Size
1200 4½ x 3½
1202 4½ x 3½

## MORTISE FRONT DOOR LOCKS

No. M200



Class No. 150

Class No. 150

Class No. 160

EASY SPRING—STOP IN FRONT.

**Reversible by simply pulling Latch Bolt forward and turning half around.**

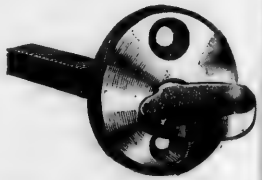
**Match with Vestibule Latches, Nos. M240, 242, page 29.**

| No. | Size. | | Per dozen. |
|---|---|---|---|
| M200 | 4½ x 3⅝ | Heavy brass front, bolts and striking plate, turn knob and plate, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | $27.00 |
| M202 | 4½ x 3⅝ | Same description as No. M200, 1 tumbler on lock bolt, 3 tumblers on night bolt, 2 nickel-plated night keys, 72 changes | 31.00 |

**Packed without knobs. One-twelfth dozen in a box.**

## MORTISE FRONT DOOR LOCKS

No. M203



Class No. 150

Class No. 150

Class No. 160

EASY SPRING—STOP IN FRONT.

Reversible by simply pulling Latch Bolt forward and turning half around.

Match with Vestibule Latches, Nos. M243, 245, page 29.

| Peterboro' No. | Gurney's No. | Size. | | Per dozen |
|---|---|---|---|---|
| **550** | **M203** | 4½ x 3⅝ | Plain bronze front, striking plate, bolts, turn knob and plate, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | $30.00 |
| **551** | **M205** | 4½ x 3⅝ | Same description as No. M203, 1 tumbler on lock bolt, 3 tumblers on night bolt, 2 nickel-plated night keys, 72 changes | 34.00 |

Packed without knobs. One-twelfth dozen in a box, with screws.

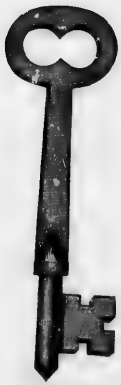
| Gurney's No. | Size. |
|---|---|
| M240 | 3¼ x 3⅝ |
| M242 | 3¼ x 3⅝ |
| M243 | 3¼ x 3⅝ |
| M245 | 3¼ x 3⅝ |

## MORTISE VESTIBULE LATCHES

Class No. 150

No. M240

Class No. 150



Class No. 150

EASY SPRING—STOP IN FRONT.

Reversible by simply pulling Latch Bolt forward and turning half around.

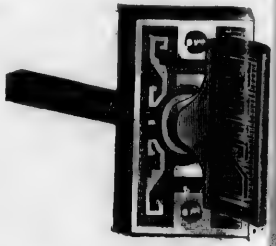
Nos. M240 and 242 match with Front Door Locks Nos. M200, 202, page 27.
Nos. M243 and 245 match with Front Door Locks Nos. M203, 205, page 28.

| Gurney's No. | Size. | | Per dozen. |
|---|---|---|---|
| M240 | 3½ x 3¾ | Heavy brass front, bolt and striking plate, turn knob and plate, 1 tumbler. 2 nickel-plated keys, 24 changes | $16.00 |
| M242 | 3½ x 3¾ | Same description as No. M240, 3 tumblers, 2 nickel-plated keys, 72 changes | 20.00 |
| M243 | 3½ x 3¾ | Plain bronze front, bolt, striking plate, turn knob and plate, 2 nickel-plated keys, 1 tumbler, 24 changes | 18.00 |
| M245 | 3½ x 3¾ | Same description as No. M243, 2 nickel-plated keys, 3 tumblers, 72 changes | 22.00 |

Packed without knobs. One-twelfth dozen in a box, with screws.

## MORTISE FRONT DOOR LOCKS

No. M220



Class No. 150

Class No. 150

Class No. 160

EASY SPRING—STOP IN FRONT.

Reversible by simply pulling Latch Bolt forward and turning half around.

M220 and M222 match with Vestibule Latches Nos. M260, 262, page 31.
M226 and M227 match with Vestibule Latches Nos. M266, 267, page 31.

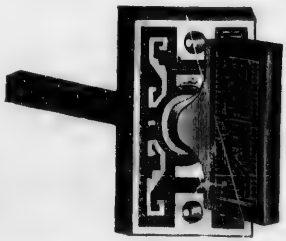
| Peterboro' No. | Gurney's No. | Size. | | Per doz. |
|---|---|---|---|---|
| 2350 / 2550 | M220 | 4½ x 3⅝ | Ornamental bronze front and striking plate, bronze bolts, turn knob and plate, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | $30.00 |
| 2351 / 2551 | M222 | 4½ x 3⅝ | Same description as No. M220, 1 tumbler on lock bolt, 3 tumblers on night bolt, 2 nickel-plated night keys, 72 changes | 34.00 |
| | M226 | 4½ x 3⅝ | Ornamental imitation bronzed front, striking plate, turn knob and plate, brass bolts, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | 26.00 |
| 4550 | M227 | 4½ x 3⅝ | Ornamental Geneva bronzed front, striking plate, turn knob and plate, brass bolts, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | 26.00 |

Packed without knobs. One-twelfth dozen in a box, with screws.

## MORTISE VESTIBULE LATCHES

Class No. 150

No. M260



Class No. 150

Class No 150

EASY SPRING—STOP IN FRONT.

Reversible by simply pulling Latch Bolt forward and turning half around.

Match with Front Door Locks Nos. M220, 222, 226, 227, page 30.

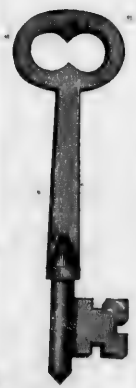
| Per dozen | Number | Size. | | Per dozen |
|---|---|---|---|---|
| and plate, | 2350½ / 2550½ | M260 | 3½ x 5½ | Ornamental bronze front, striking plate, turn knob and plate, bronze bolts, 2 nickel-plated keys, 1 tumbler, 24 changes ..... $18.00 |
| ight keys, | | | | |
| ..... $30.00 | 2351½ / 2551½ | M262 | 3½ x 3½ | Same description as No. M260, 3 tumblers, 72 changes ..... 22.00 |
| night bolt, | | M266 | 3½ x 3½ | Ornamental imitation bronzed front, striking plate, turn knob and plate, brass bolts, 2 nickel-plated keys, 1 tumbler, 24 changes ..... 17.00 |
| ..... 34.00 | | | | |
| late, brass | 2550½ | M267 | 3½ x 3½ | Ornamental Geneva bronzed front, striking plate, turn knob and plate, brass bolts, 2 nickel-plated keys, 1 tumbler, 24 changes ..... 17.00 |
| ted night | | | | |
| ..... 28.00 | | | | |
| late, brass | | | | |
| ted night | | | | |
| ..... 28.00 | | | | |

Packed without knobs. One-twelfth dozen in a box, with screws.

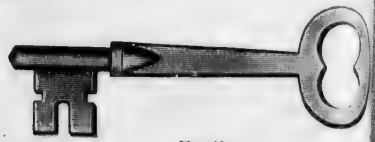
## MORTISE FRONT DOOR LOCKS

No. M707

Class No. 160



Class No. 170



Class No. 140

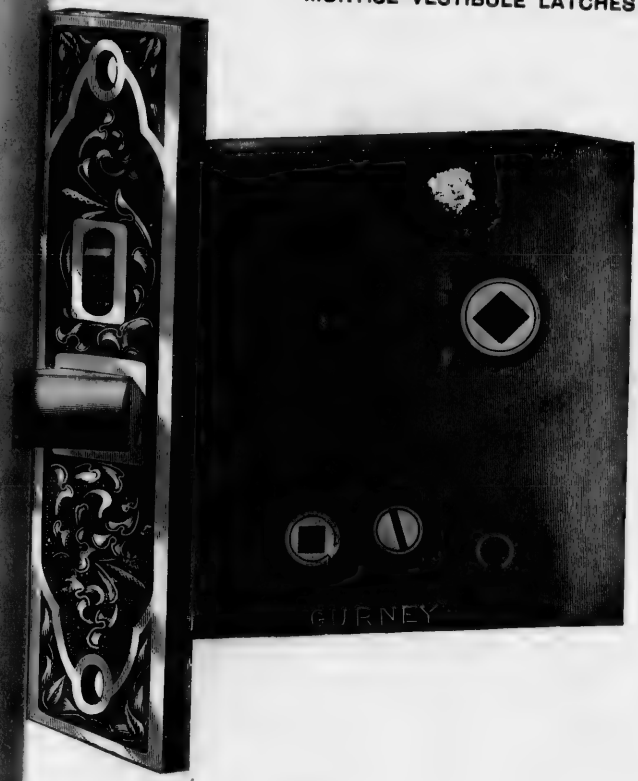
EASY SPRING ON LATCH—HEAVY ON KNOB.

Reversible by removing Cap and Turning Latch Bolt. Match with Vestibule Latches Nos. M757 to 762, inclusive, page 5. Escutcheons suitable, 262, 263, 264, 265, 266, 267, 292, 293, 294, 295, 296, 297, 300, 301, 302, 303, 304, 305.

| Peterboro' No. | Gurney's No. | Size. | | Per doz. |
|---|---|---|---|---|
| 2550 | M707 | 5 x 3½ | Ornamental gold bronze front, bolts, striking plate and turn knob, nickel-plated steel key, 1 steel tumbler on both bolts, 2 nickel-plated night keys, 24 changes | $30 00 |
| | M708 | 5 x 3½ | Ornamental chocolate bronze, description as No. M707 | 30 00 |
| | M709 | 5 x 3½ | Ornamental light bronze, dark enamelled ground finish, description as No. M707 | 30 00 |
| | M710 | 5 x 3½ | Ornamental antique copper, description as No. M707 | 30 00 |
| | M711 | 5 x 3½ | Ornamental antique brass, description as No. M707 | 33 00 |
| | M712 | 5 x 3½ | Ornamental antique silver, description as No. M707 | 30 00 |

Packed without knobs. One-twelfth dozen in a box, with screws.
For locks with 3 levers on latch bolts add $5.00 to list price.

## MORTISE VESTIBULE LATCHES




No. M757

Class No. 150

Class No. 150

EASY SPRING ON LATCH—HEAVY ON KNOB.

Reversible by removing Cap and turning Latch Bolt.

Match with Front Door Locks Nos. M707 to 712, inclusive, page 32.

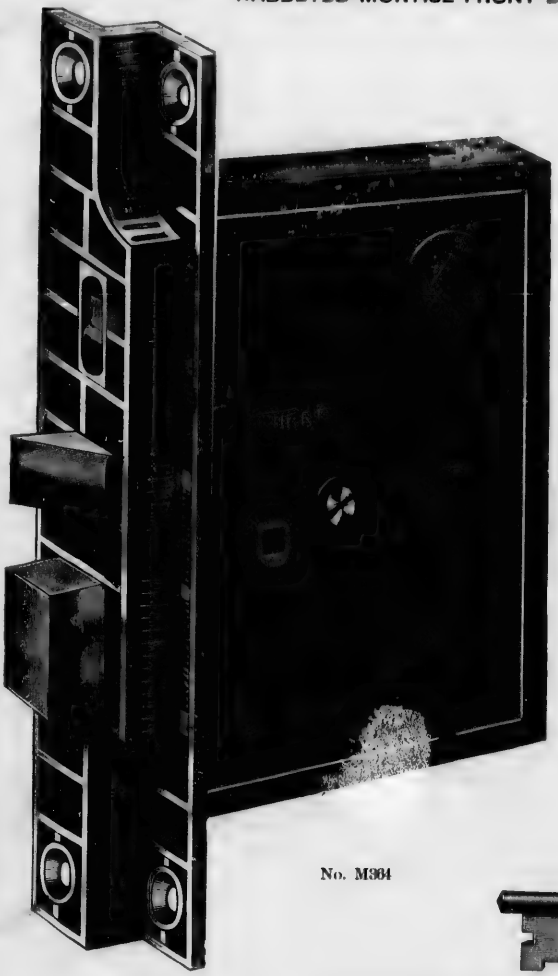
Escutcheons suitable, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 280, 281, 282, 283, 284, 285.

| Gurney's No. | Size. | | Per dozen. |
|---|---|---|---|
| M757 | 3¾ x 3¾ | Ornamental gold bronze front, bolts, striking plate and thumb knob, 2 nickel-plated steel keys, 1 steel tumbler, 24 changes | $18.00 |
| M758 | 3¾ x 3¾ | Ornamental chocolate bronze, description as No. M757 | 18.00 |
| M759 | 3¾ x 3¾ | Ornamental light bronze, dark enamel ground finish, description as No. M757 | 18.00 |
| M760 | 3¾ x 3¾ | Ornamental antique copper, description as No. M757 | 19.80 |
| M761 | 3¾ x 3¾ | Ornamental antique brass, description as No. M757 | 19.80 |
| M762 | 3¾ x 3¾ | Ornamental antique silver, description as No. M757 | 23.40 |

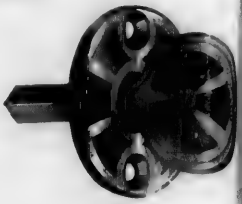
Packed without knobs. One-twelfth dozen in a box, with screws.

For 3 Lever Latches add $5.00 to list price.

## RABBETED MORTISE FRONT DOOR LOCKS



No. M364



Class No. 150

Class No 150

Class No. 160

EASY SPRING—STOP IN FRONT.

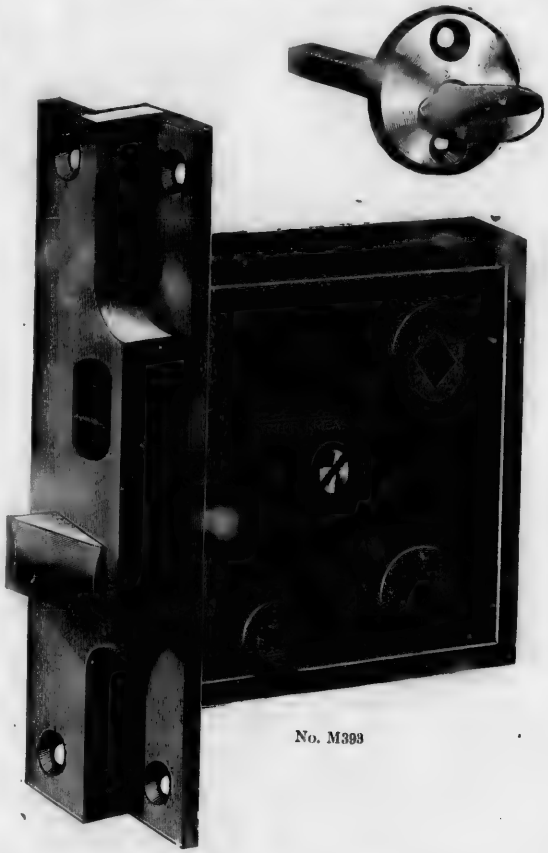
| Peterboro' No. | Gurney's No. | Size. | | Per doz. |
|---|---|---|---|---|
| | M364 | 4¾ x 3⅝ | Ornamental bronze front and striking plate, turn knob and plate, bronze bolts, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | $5 |
| | M366 | 4¾ x 3⅝ | Same description as No. M364, 1 tumbler on lock bolt, 3 tumblers on night bolt, 72 changes | 5 |
| | | | Above match with Vestibule Latches Nos. M404, 406. See page 35. | |
| 553 | M353 | 4¾ x 3⅝ | Plain bronze front, striking plate and bolts, turn knob and plate, nickel-plated key, 1 tumbler on both bolts, 2 nickel-plated night keys, 24 changes | 5 |
| 554 | M355 | 4¾ x 3⅝ | Same description as No. M353, 1 tumbler on lock bolt, 3 tumblers on night bolt, 2 nickel-plated night keys, 72 changes | 5 |

Above match with Vestibule Latches, Nos. M393, 395. See page 35.

Packed without knobs. One-twelfth dozen in a box, with screws.

| rtero' No. | Gurney's No. |
|---|---|
| 53½ | M393 |
| 54½ | M395 |
| | M404 |
| | M406 |

## RABBETED MORTISE VESTIBULE LATCHES



No. M393

Class No. 150

Class No. 150

EASY SPRING—STOP IN FRONT.

| Corbero' No. | Gurney's No. | Size. | | Per dozen. |
|---|---|---|---|---|
| 53½ | M393 | 3½ x 3¾ | Plain bronze front, bolt, striking plate, turn knob and plate, 2 nickel-plated keys, 1 tumbler, 24 changes | $35.00 |
| 54½ | M395 | 3½ x 3¾ | Same description as No. M393, 2 nickel-plated keys, 3 tumblers, 72 changes | 40.00 |

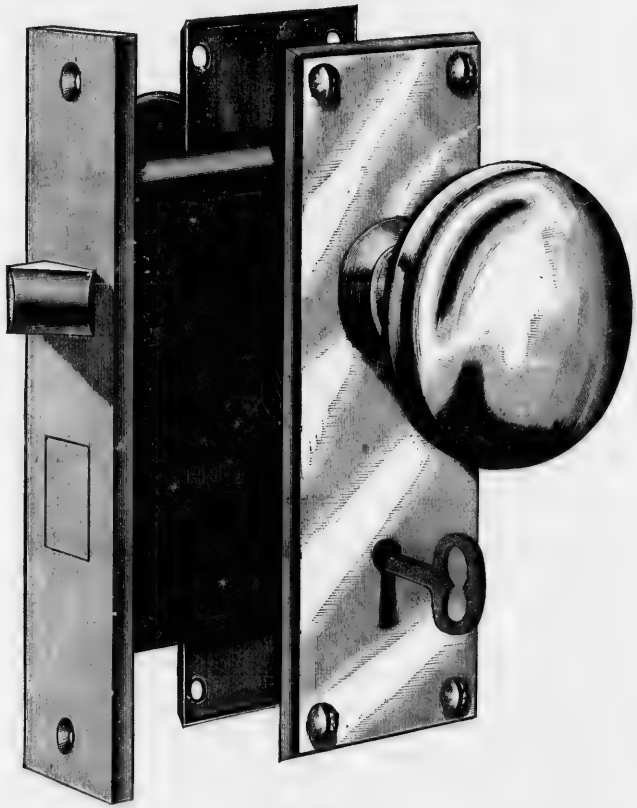
Above match with Front Door Locks Nos. M353, 355. See page 34.

| | | | | |
|---|---|---|---|---|
| | M404 | 3½ x 3¾ | Ornamental bronze front and striking plate, turn knob and plate, bronze bolt, 2 nickel-plated keys, 1 tumbler, 24 changes | 33.00 |
| | M406 | 3½ x 3¾ | Same description as No. M404, 3 tumblers, 72 changes | 40.00 |

Above match with Front Door Locks Nos. M364, 366. See page 34.

Packed without knobs. One-twelfth dozen in a box, with screws.

## INSIDE DOOR SETS



No. M01200

PLAIN BRASS.

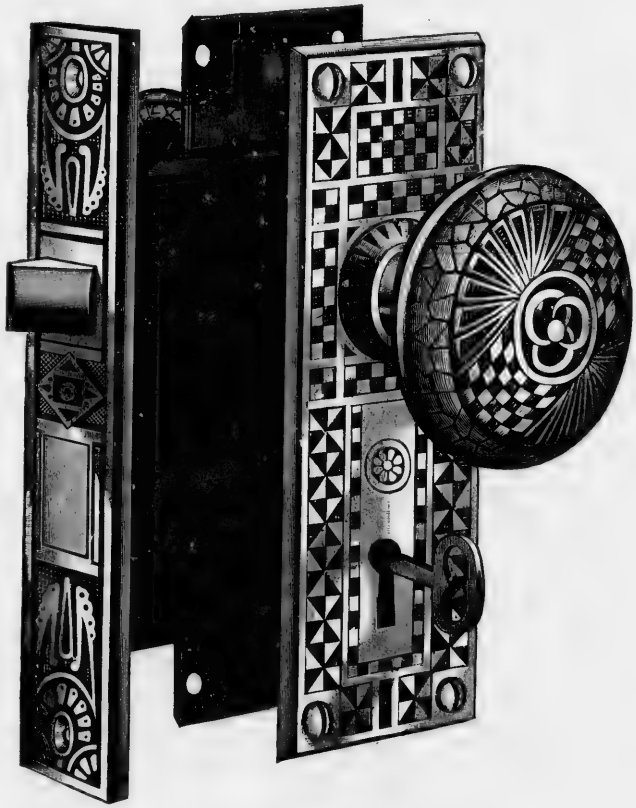
| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per |
|---|---|---|---|---|---|---|
| **M01200** | 1200 | 4 x 3½ | 330 x 2¼ | 440 | 440 | |
| **M001200** | 1200 | 4 x 3½ | 330 x 2¼ | 440 | 200 | |
| **M0001200** | 1200 | 4 x 3½ | 330 x 2¼ | 200 | 200 | |
| **M0132** | 1132 | 3⅜ x 3½ | 330 x 2¼ | 440 | 440 | |
| **M00132** | 1132 | 3⅜ x 3½ | 330 x 2¼ | 440 | 200 | |
| **M000132** | 1132 | 3⅜ x 3½ | 330 x 2¼ | 200 | 200 | |
| **M01250** | 1250 | 4½ x 3½ | 330 x 2¼ | 450 | 450 | |
| **M001250** | 1250 | 4½ x 3½ | 330 x 2¼ | 450 | 200 | |
| **M0001250** | 1250 | 4½ x 3½ | 330 x 2¼ | 200 | 200 | |

PLAIN BRONZE.

| | | | | | | |
|---|---|---|---|---|---|---|
| **M01201** | 1201 | 4 x 3½ | 340 x 2¼ | 442 | 442 | |
| **M001201** | 1201 | 4 x 3½ | 340 x 2¼ | 442 | 201 | |
| **M0001201** | 1201 | 4 x 3½ | 340 x 2¼ | 201 | 201 | |
| **M0135** | 1135 | 3⅜ x 3½ | 340 x 2¼ | 442 | 442 | |
| **M00135** | 1135 | 3⅜ x 3½ | 340 x 2¼ | 442 | 201 | |
| **M000135** | 1135 | 3⅜ x 3½ | 340 x 2¼ | 201 | 201 | |
| **M01251** | 1251 | 4½ x 3½ | 340 x 2¼ | 452 | 452 | |
| **M001251** | 1251 | 4½ x 3½ | 340 x 2¼ | 452 | 201 | |
| **M0001251** | 1251 | 4½ x 3½ | 340 x 2¼ | 201 | 201 | |

Packed one set in a box, complete.

## INSIDE DOOR SETS

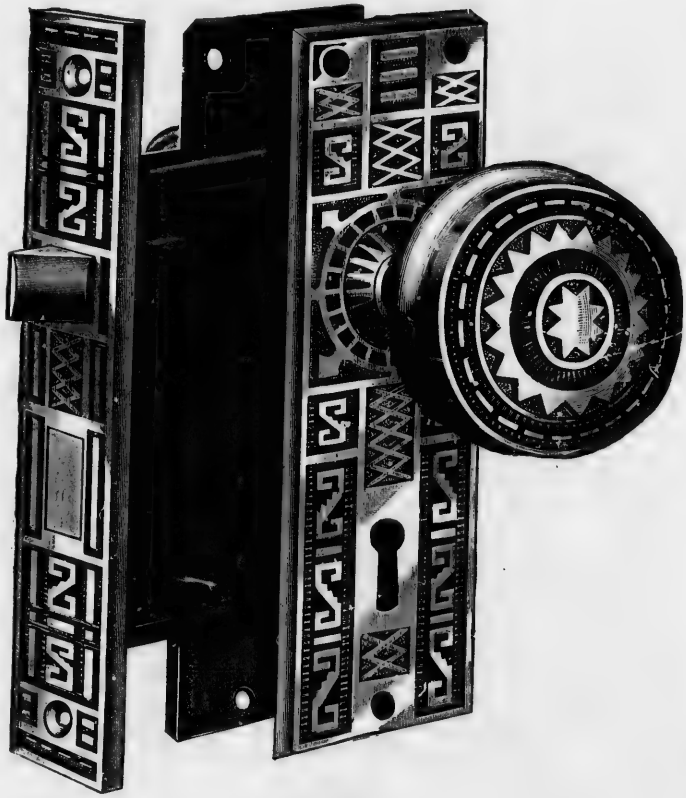


M0112

| terboro' No. | Gurney's No. | Lock. | Size | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|---|
| | **ORNAMENTAL BRONZE.** | | | | | | |
| | **M0112** | 1112 | 3⅜ x 3½ | 313 x 2½ | 443 | 443 | $2.40 |
| | **M00112** | 1112 | 3⅜ x 3½ | 313 x 2½ | 443 | 15½ | 2.10 |
| | **M000112** | 1112 | 3⅜ x 3½ | 313 x 2½ | 15½ | 15½ | 1.85 |
| | **ORNAMENTAL BRONZE, DARK ENAMELLED.** | | | | | | |
| | **M0113** | 1113 | 3⅜ x 3½ | 314 x 2½ | 444 | 444 | 2.40 |
| | **M00113** | 1113 | 3⅜ x 3½ | 314 x 2½ | 444 | 16½ | 2.10 |
| | **M000113** | 1113 | 3⅜ x 3½ | 314 x 2½ | 16½ | 16½ | 1.80 |
| | **ORNAMENTAL IMITATION BRONZED.** | | | | | | |
| | **M0114** | 1114 | 3⅜ x 3½ | 315 x 2½ | 445 | 445 | 1.60 |
| | **M00114** | 1114 | 3⅜ x 3½ | 315 x 2½ | 445 | 17½ | 1.40 |
| | **M000114** | 1114 | 3⅜ x 3½ | 315 x 2½ | 17½ | 17½ | 1.20 |
| | **ORNAMENTAL GENEVA BRONZED.** | | | | | | |
| 500 | **M0115** | 1115 | 3⅜ x 3½ | 316 x 2½ | 446 | 446 | 1.60 |
| 4500 | **M00115** | 1115 | 3⅜ x 3½ | 316 x 2½ | 446 | 18½ | 1.40 |
| | **M000115** | 1115 | 3⅜ x 3½ | 316 x 2½ | 18½ | 18½ | 1.20 |

Packed one set in a box, complete.

## INSIDE DOOR SETS



No. M01202

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| **ORNAMENTAL BRONZE.** | | | | | | |
| **M01202** | 1202 | 4 x 3½ | 300 x 2½ | 880 | 880 | $2 70 |
| **M001202** | 1202 | 4 x 3½ | 300 x 2½ | 880 | 23 | 2 40 |
| **M0001202** | 1202 | 4 x 3¼ | 300 x 2¼ | 23 | 23 | 2 15 |
| **ORNAMENTAL BRONZE, DARK ENAMELLED.** | | | | | | |
| **M01203** | 1203 | 4 x 3½ | 301 x 2½ | 881 | 881 | |
| **M001203** | 1203 | 4 x 3½ | 301 x 2½ | 881 | 24 | |
| **M0001203** | 1203 | 4 x 3¼ | 301 x 2¼ | 24 | 24 | |
| **ORNAMENTAL IMITATION BRONZED.** | | | | | | |
| **M01204** | 1204 | 4 x 3½ | 302 x 2½ | 882 | 882 | 1.8 |
| **M001204** | 1204 | 4 x 3½ | 302 x 2½ | 882 | 22 | 1.6 |
| **M0001204** | 1204 | 4 x 3¼ | 302 x 2¼ | 22 | 22 | 1.2 |
| **ORNAMENTAL GENEVA BRONZED.** | | | | | | |
| **M01205** | 1205 | 4 x 3½ | 303 x 2½ | 883 | 883 | 1.5 |
| **M001205** | 1205 | 4 x 3½ | 303 x 2½ | 883 | 21 | 1.6 |
| **M0001205** | 1205 | 4 x 3¼ | 303 x 2¼ | 21 | 21 | 1.3 |

Packed one set in a box, complete.

## INSIDE DOOR SETS

Nos. M01252 and M01208

ORNAMENTAL BRONZE.

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| M01252 | 1252 | 4½ x 3½ | 325 x 2½ | 274 | 274 | $3.65 |
| M001252 | 1252 | 4½ x 3½ | 325 x 2½ | 274 | 250 | 3.20 |
| M0001252 | 1252 | 4½ x 3½ | 325 x 2½ | 250 | 250 | 2.80 |
| M01208 | 1208 | 4 x 3½ | 325 x 2½ | 268 | 268 | 3.30 |
| M001208 | 1208 | 4 x 3½ | 325 x 2½ | 268 | 250 | 2.95 |
| M0001208 | 1208 | 4 x 3½ | 325 x 2½ | 250 | 250 | 2.60 |

Packed one set in a box, complete.

## INSIDE DOOR SETS

For cuts see page 39.

### ORNAMENTAL CHOCOLATE BRONZE.

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| M01209 | 1209 | 4 x 3½ | 326 x 2½ | 269 | 269 | $3.30 |
| M001209 | 1209 | 4 x 3½ | 326 x 2½ | 269 | 251 | 2.95 |
| M0001209 | 1209 | 4 x 3½ | 326 x 2½ | 251 | 251 | 2.60 |
| M01253 | 1253 | 4½ x 3½ | 326 x 2½ | 275 | 275 | 3.65 |
| M001253 | 1253 | 4½ x 3½ | 326 x 2½ | 275 | 251 | 3.26 |
| M0001253 | 1253 | 4½ x 3½ | 326 x 2½ | 251 | 251 | 2.80 |

### ORNAMENTAL LIGHT BRONZE, DARK ENAMELLED GROUND FINISH.

| | | | | | | |
|---|---|---|---|---|---|---|
| M01210 | 1210 | 4 x 3½ | 327 x 2½ | 270 | 270 | 3.30 |
| M001210 | 1210 | 4 x 3½ | 327 x 2½ | 270 | 252 | 2.96 |
| M0001210 | 1210 | 4 x 3½ | 327 x 2½ | 252 | 252 | 2.60 |
| M01254 | 1254 | 4½ x 3½ | 327 x 2½ | 276 | 276 | 3.65 |
| M001254 | 1254 | 4½ x 3½ | 327 x 2½ | 276 | 252 | 3.20 |
| M0001254 | 1254 | 4½ x 3½ | 327 x 2½ | 252 | 252 | 2.80 |

### ORNAMENTAL ANTIQUE COPPER.

| | | | | | | |
|---|---|---|---|---|---|---|
| M01211 | 1211 | 4 x 3½ | 328 x 2½ | 271 | 271 | 3.65 |
| M001211 | 1211 | 4 x 3½ | 328 x 2½ | 271 | 253 | 3.25 |
| M0001211 | 1211 | 4 x 3½ | 328 x 2½ | 253 | 253 | 2.90 |
| M01255 | 1255 | 4½ x 3½ | 328 x 2½ | 277 | 277 | 4.05 |
| M001255 | 1255 | 4½ x 3½ | 328 x 2½ | 277 | 253 | 3.60 |
| M0001255 | 1255 | 4½ x 3½ | 328 x 2½ | 253 | 253 | 3.10 |

### ORNAMENTAL ANTIQUE BRASS.

| | | | | | | |
|---|---|---|---|---|---|---|
| M01212 | 1212 | 4 x 3½ | 329 x 2½ | 272 | 272 | 3.65 |
| M001212 | 1212 | 4 x 3½ | 329 x 2½ | 272 | 254 | 3.25 |
| M0001212 | 1212 | 4 x 3½ | 329 x 2½ | 254 | 254 | 2.90 |
| M01256 | 1256 | 4½ x 3½ | 329 x 2½ | 278 | 278 | 4.05 |
| M001256 | 1256 | 4½ x 3½ | 329 x 2½ | 278 | 254 | 3.60 |
| M0001256 | 1256 | 4½ x 3½ | 329 x 2½ | 254 | 254 | 3.10 |

### ORNAMENTAL ANTIQUE SILVER.

| | | | | | | |
|---|---|---|---|---|---|---|
| M01213 | 1213 | 4 x 3½ | 329½ x 2½ | 273 | 273 | 4.30 |
| M001213 | 1213 | 4 x 3½ | 329½ x 2½ | 273 | 255 | 3.85 |
| M0001213 | 1213 | 4 x 3½ | 329½ x 2½ | 255 | 255 | 3.45 |
| M01257 | 1257 | 4½ x 3½ | 329½ x 2½ | 279 | 279 | 4.70 |
| M001257 | 1257 | 4½ x 3½ | 329½ x 2½ | 279 | 253 | 4.15 |
| M0001257 | 1257 | 4½ x 3½ | 329½ x 2½ | 255 | 255 | 3.65 |

Packed one set in a box, complete.

| No. | |
|---|---|
| M0203 | |
| M00203 | |
| M000203 | |
| M0230 | |
| M0243 | |
| M00243 | |
| M000243 | |
| M02430 | |

## FRONT DOOR AND VESTIBULE LATCH MORTISE SETS

No. M000203

### PLAIN BRONZE.

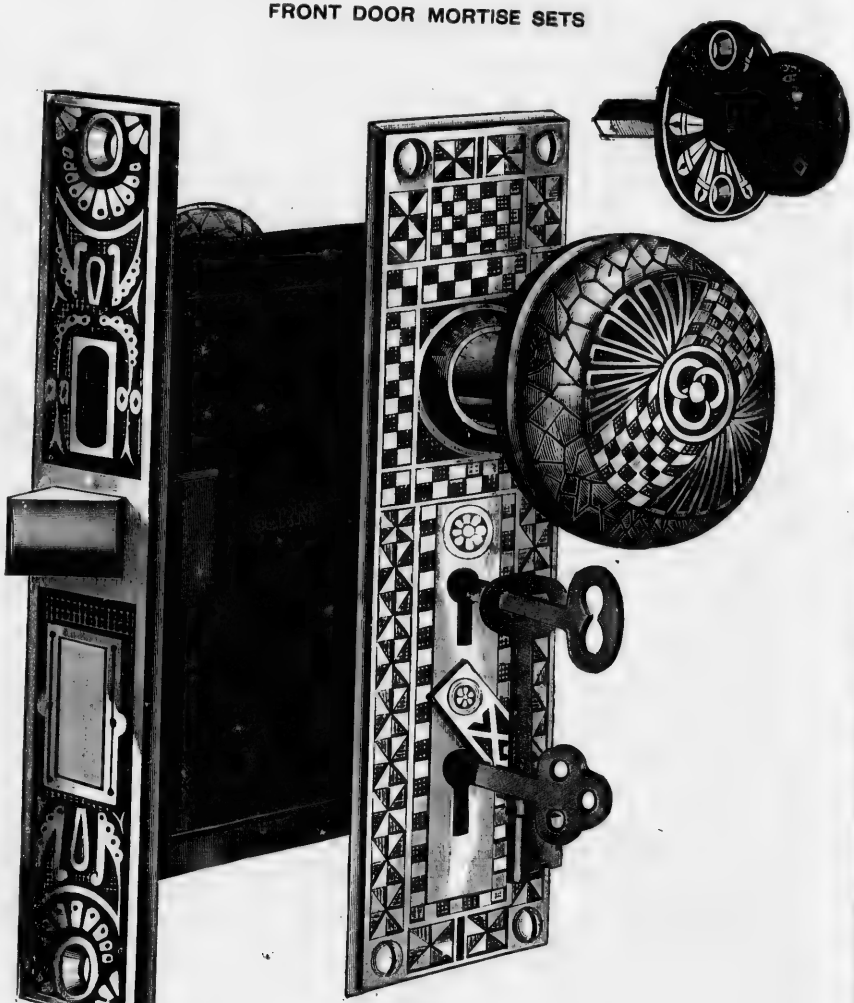
| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| M0203 | 203 | 4⅜ x 3⅝ | 360, 2½ x 2½ | 52 | 201 | $4.65 |
| M00203 | 203 | 4⅜ x 3⅝ | 360, 2½ x 2½ | 211 | 201 | 4.40 |
| M000203 | 203 | 4⅜ x 3⅝ | 340, 2½ x 2½ | 52 | 201 | 4.30 |
| M0230 | 203 | 4⅜ x 3⅝ | 340, 2½ x 2½ | 211 | 201 | 4.10 |

### VESTIBULE LATCHES.

| | | | | | | |
|---|---|---|---|---|---|---|
| M0243 | 243 | 3½ x 3½ | 360 x 2½ | 42 | 42 | 3.55 |
| M00243 | 243 | 3½ x 3½ | 360 x 2½ | 42 | 201 | 3.25 |
| M000243 | 243 | 3½ x 3½ | 340 x 2½ | 42 | 42 | 3 20 |
| M02430 | 243 | 3½ x 3½ | 340 x 2½ | 42 | 201 | 2.90 |

Packed one set in a box, complete.

## FRONT DOOR MORTISE SETS



No. M0212

| No. | Lock | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| **ORNAMENTAL IMITATION BRONZED.** | | | | | | |
| **M0212** | 212 | 4⅜ x 3⅜ | 315 x 2¼ | 55 | 17½ | $3.10 |
| **M00212** | 212 | 4⅜ x 3⅜ | 315 x 2¼ | 222 | 17½ | 2.90 |
| **ORNAMENTAL GENEVA BRONZED.** | | | | | | |
| **M0213** | 213 | 4⅜ x 3⅜ | 316 x 2¼ | 56 | 18½ | 3.10 |
| **M00213** | 213 | 4⅜ x 3⅜ | 316 x 2¼ | 223 | 18½ | 2.90 |

Packed one set in a box, complete.

## VESTIBULE LATCH MORTISE SETS

No. M0252

ORNAMENTAL IMITATION BRONZED.

| No. | Latch. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| M0252 | 252 | 3¼ x 3⅜ | 315 x 2¼ | 45 | 45 | $2.45 |
| M00252 | 252 | 3¼ x 3⅜ | 315 x 2¼ | 45 | 17½ | 2.25 |

ORNAMENTAL GENEVA BRONZED.

| | | | | | | |
|---|---|---|---|---|---|---|
| M0253 | 253 | 3¼ x 3⅜ | 316 x 2¼ | 46 | 46 | 2.45 |
| M00253 | 253 | 3¼ x 3⅜ | 316 x 2¼ | 46 | 18½ | 2.25 |

Packed one set in a box, complete.

## FRONT DOOR MORTISE SETS

No. M0206

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| **ORNAMENTAL BRONZE.** | | | | | | |
| **M0206** ..... | 206 ..... | 4½ x 3⅝ ..... | 513, 2¼ x 2½ ..... | 53 ..... | 15½ ..... | $4.15 |
| **M00206** ..... | 206 ..... | 4½ x 3⅝ ..... | 313, 2¼ x 2½ ..... | 220 ..... | 15½ ..... | 4.00 |
| **ORNAMENTAL BRONZE, DARK ENAMELLED.** | | | | | | |
| **M0209** ..... | 209 ..... | 4½ x 3⅝ ..... | 314, 2¼ x 2½ ..... | 54 ..... | 15½ ..... | 4.15 |
| **M00209** ..... | 209 ..... | 4½ x 3⅝ ..... | 314, 2¼ x 2½ ..... | 221 ..... | 15½ ..... | 4.00 |

**Packed one set in a box, complete.**

## VESTIBULE LATCH MORTISE SETS

No. M0246

ORNAMENTAL BRONZE.

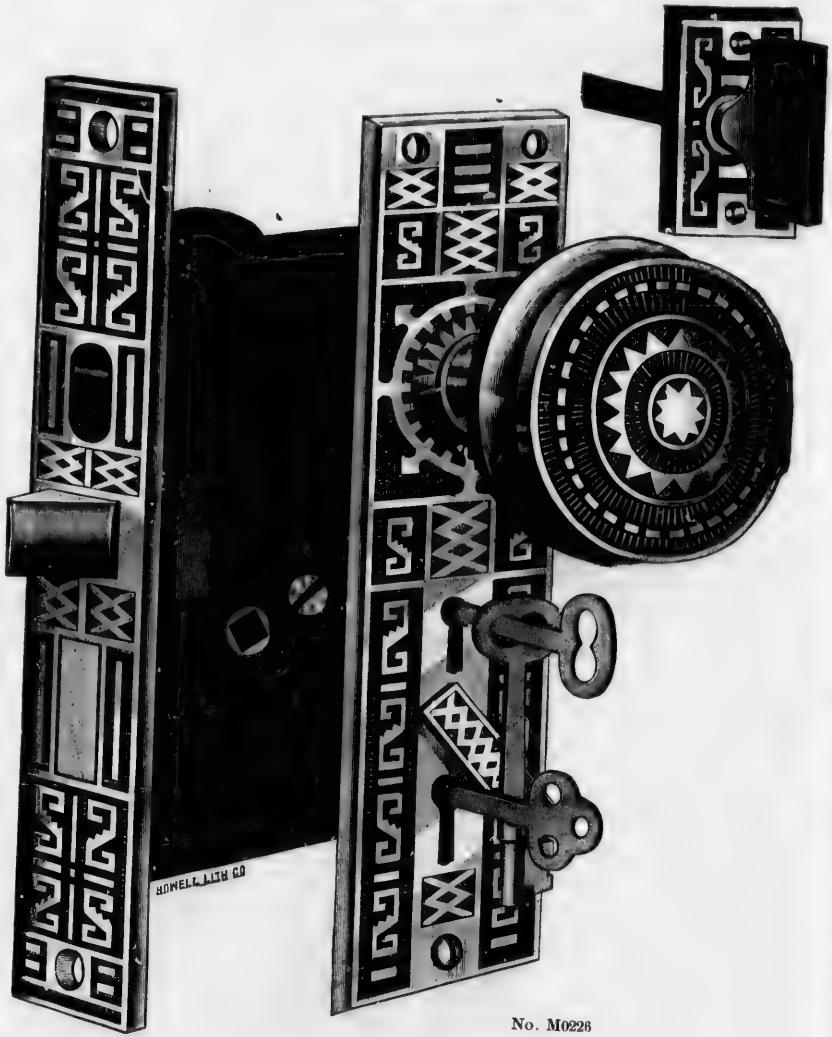
| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| M0246 | 246 | 3½ x 3⅜ | 313 x 2½ | 43 | 43 | $3.20 |
| M00246 | 246 | 3½ x 3⅜ | 313 x 2½ | 43 | 15½ | 3.00 |

ORNAMENTAL BRONZE, DARK ENAMELLED.

| | | | | | | |
|---|---|---|---|---|---|---|
| M0249 | 249 | 3½ x 3⅜ | 314 x 2½ | 44 | 44 | 3.20 |
| M00249 | 249 | 3½ x 3⅜ | 314 x 2½ | 44 | 16½ | 3.00 |

Packed one set in a box, complete.

## FRONT DOOR MORTISE SETS

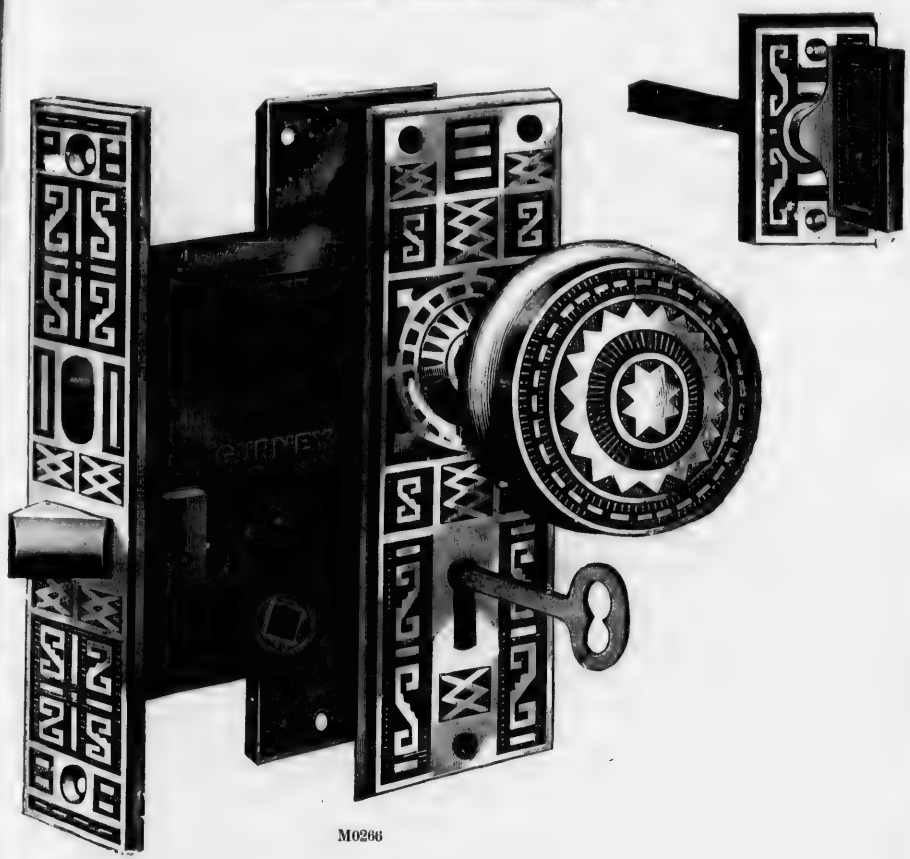



No. M0226

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| **ORNAMENTAL IMITATION BRONZED.** | | | | | | |
| M0226 | 226 | 4½ x 3⅝ | 302 x 2¼ | 92 | 26 | $3.30 |
| M00226 | 226 | 4½ x 3⅝ | 302 x 2¼ | 232 | 26 | 3.10 |
| **ORNAMENTAL GENEVA BRONZED.** | | | | | | |
| M0227 | 227 | 4½ x 3⅝ | 303 x 2¼ | 93 | 25 | 3.30 |
| M00227 | 227 | 4½ x 3⅝ | 303 x 2¼ | 233 | 25 | 3.10 |

Packed one set in a box, complete.

## VESTIBULE LATCH MORTISE SETS



M0266

### ORNAMENTAL IMITATION BRONZED.

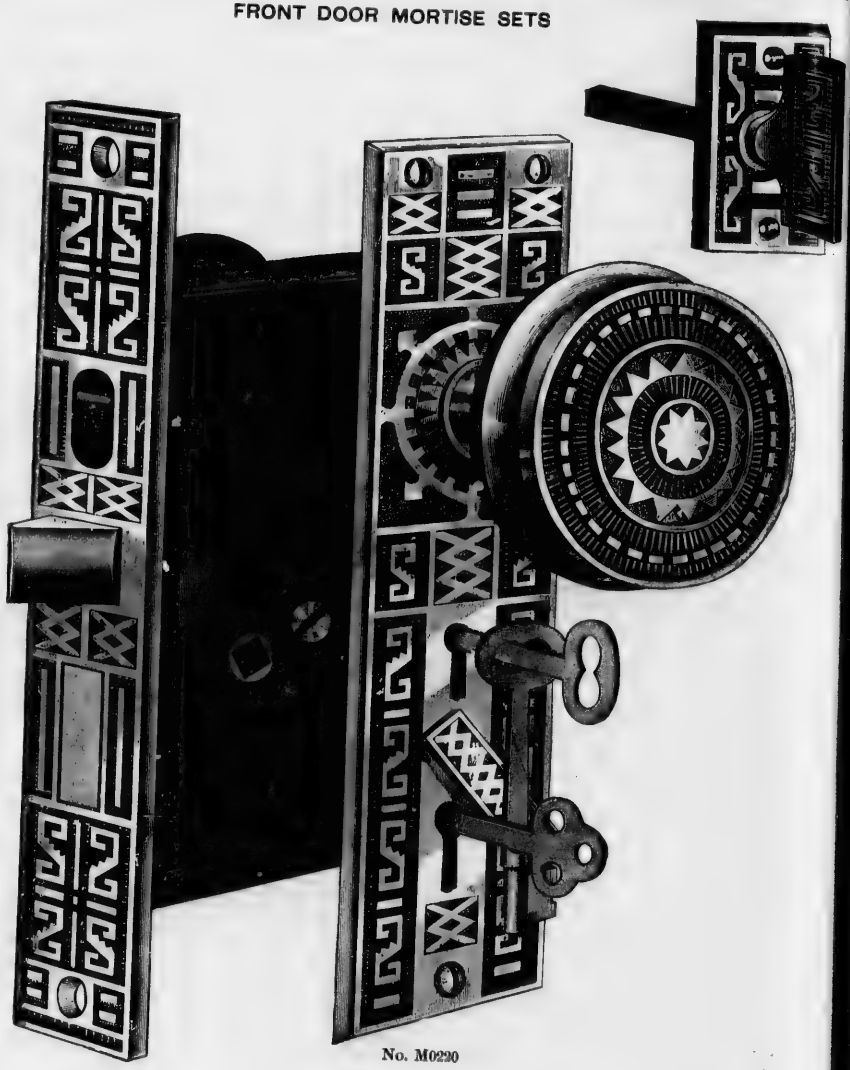
| No. | Latch. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| **M0266** | 266 | 3¼ x 3⅜ | 302 x 2¼ | 82 | 82 | $2.55 |
| **M00266** | 266 | 3¼ x 3⅜ | 302 x 2¼ | 82 | 22 | 2.35 |

### ORNAMENTAL GENEVA BRONZED.

| | | | | | | |
|---|---|---|---|---|---|---|
| **M0267** | 267 | 3¼ x 3⅜ | 303 x 2¼ | 83 | 83 | 2.50 |
| **M00267** | 267 | 3¼ x 3⅜ | 303 x 2¼ | 83 | 21 | 2.35 |

Packed one set in a box, complete.

## FRONT DOOR MORTISE SETS



No. M0220

| No. | Lock. | Size. | Knob. | Escutcheon. | Escutcheon. | Per set. |
|---|---|---|---|---|---|---|
| | | ORNAMENTAL BRONZE. | | | | |
| M0220 | 220 | 4⅜ x 3⅛ | 300, 2¼ x 2½ | 90 | 27 | $4.45 |
| M00220 | 220 | 4⅜ x 3⅛ | 300, 2¼ x 2½ | 230 | 27 | 4.35 |
| | | ORNAMENTAL BRONZE, DARK ENAMELLED. | | | | |
| M0223 | 223 | 4⅜ x 3⅛ | 301, 2¼ x 2½ | 91 | 28 | 4.45 |
| M00223 | 223 | 4⅜ x 3⅛ | 301, 2¼ x 2½ | 231 | 28 | 4.35 |

Packed one set in a box, complete.

| terboro' No. | Gurney's No. |
|---|---|
| 2165 | M503 |
| | M504 |
| | M505 |
| 4165 | M506 |
| 164 | M500 |
| 166 | M501 |
| | M502 |

## MORTISE SLIDING DOOR LOCKS

Class No. 190

No. M503

| Peterboro' No. | Gurney's No. | Size. | FLAT FRONTS—FOR DOUBLE DOORS. | Per dozen. |
|---|---|---|---|---|
| 2165 | M503 | 4½ x 3¼ | Ornamental bronze fronts, bronze bolts, pulls and key, 4 ornamental bronze flush cup escutcheons No. 143 | $4.50 |
| | M504 | 4½ x 3¼ | Same description as No. M503, dark enamelled ground finish, 4 ornamental bronze flush cup escutcheons No. 144 | 4.50 |
| | M505 | 4½ x 3¼ | Ornamental imitation bronzed fronts, brass bolts, pulls and key, 4 ornamental imitation bronzed flush cup escutcheons No. 145 | 4.00 |
| 4165 | M506 | 4½ x 3¼ | Ornamental Geneva bronzed fronts, brass bolts, pulls and key, 4 ornamental Geneva bronzed flush cup escutcheons No. 146 | 4.00 |
| 164 | M500 | 4½ x 3¼ | Brass fronts, bolts and pulls, nickel-plated key, 4 brass flush cup escutcheons No 140 | 4.00 |
| 166 | M501 | 4½ x 3¼ | Bronze fronts, bolts and pulls, nickel-plated key, 4 bronze flush cup escutcheons No. 142 | 4.50 |
| | M502 | 4½ x 3¼ | Nickel-plated fronts, bolts and pulls, nickel-plated key, with 4 nickel-plated flush cup escutcheons No. 141 | 6.00 |

Packed one set in a box, with screws.

For Box Striker see page 58.

## STORE DOOR SETS

M606

LATCH ONLY.

### FLAT FRONT—DOUBLE HANDLES.

| No. | Size. | | Per set. |
|---|---|---|---|
| M606 | 3 x 2¼ | Ornamental bronze front and striking plate, anti-friction latch | $5.50 |
| M607 | 3 x 2¼ | Ornamental bronze front and striking plate, dark enamelled ground finish, anti-friction latch | 5.50 |
| M608 | 3 x 2¼ | Ornamental imitation bronzed front and striking plate, brass anti-friction latch | 3.50 |
| M609 | 3 x 2¼ | Ornamental Geneva bronzed front and striking plate, brass anti-friction latch | 3.50 |
| M600 | 3 x 2¼ | Plain brass front and striking plate, anti-friction latch | 6.00 |
| M601 | 3 x 2¼ | Plain bronze front and striking plate, anti-friction latch | 6.00 |
| M602 | 3 x 2¼ | Nickel-plated on brass front and striking plate, anti-friction latch | 7.00 |

Packed one set in a box, with screws, complete.

For description of handle see page 64.

| No. | Size. |
|---|---|
| M610 | 4½ x 3 |
| M611 | 4½ x 3 |
| M612 | 4½ x 3 |
| M613 | 4½ x 3 |
| M603 | 4½ x 3 |
| M604 | 4½ x 3 |
| M605 | 4½ x 3 |

## STORE DOOR SETS

Class No. 170

No. M610

LOCK AND LATCH.

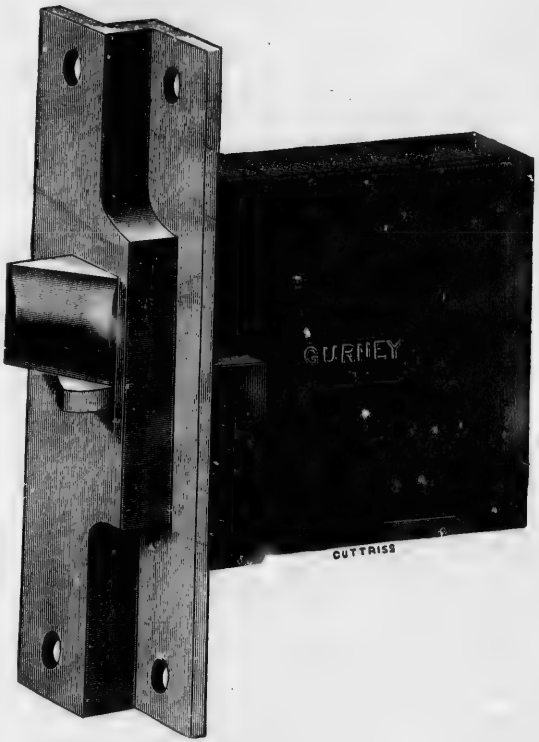
### FLAT FRONT—DOUBLE HANDLES.

| No. | Size. | | Per set |
|---|---|---|---|
| M610 | 4½ x 3 | Ornamental bronze front and striking plate, heavy bronze bolt, anti-friction latch, 2 nickel-plated steel keys, 3 steel tumblers, 72 changes | $7.50 |
| M611 | 4½ x 3 | Ornamental bronze front and striking plate, dark enamelled ground finish, description as No. M610 | 7.50 |
| M612 | 4½ x 3 | Imitation bronzed, brass bolts, description as No. M610 | 5.50 |
| M613 | 4½ x 3 | Geneva bronzed, brass bolts, description as No. M610 | 5.50 |
| M603 | 4½ x 3 | Plain brass front, bolt and striking plate anti-friction latch, 2 nickel-plated steel keys, 3 steel tumblers, 72 changes | 8.00 |
| M604 | 4½ x 3 | Plain bronze front, bolt and striking plate, same description as No. M603 | 8.00 |
| M605 | 4½ x 3 | Nickel-plated on brass front and striking plate, same description as No. M603 | 9.00 |

Packed one set in a box, with screws complete.

For description of handles see page 64.

## STORE DOOR SETS




No. M614

LATCH ONLY.

RABBETED FRONT—DOUBLE HANDLES.

| No. | Size. | | Per set |
|---|---|---|---|
| M614 | 3 x 2¾ | Plain brass front and striking plate, anti-friction latch | $6.50 |
| M615 | 3 x 2¾ | Plain bronze front and striking plate, anti-friction latch | 6.50 |
| M616 | 3 x 2¾ | Nickel-plated on brass front and striking plate, anti-friction latch | 7.50 |
| M620 | 3 x 2¾ | Ornamental bronze front and striking plate, anti-friction latch | 6.00 |
| M621 | 3 x 2¾ | Ornamental bronze front and striking plate dark enamel ground finish, anti-friction latch | 6.00 |
| M622 | 3 x 2¾ | Ornamental imitation bronze front and striking plate, brass anti-friction latch | 4.00 |
| M623 | 3 x 2¾ | Ornamental Geneva bronze front and striking plate, brass anti-friction latch | 4.00 |

Packed one set in a box, with screws, complete.

For description of handles see page 64.

| No. | Size. |
|---|---|
| M624 | 4½ x 3 |
| M625 | 4½ x 3 |
| M626 | 4½ x 3 |
| M627 | 4½ x 3 |
| M617 | 4½ x 3 |
| M618 | 4½ x 3 |
| M619 | 4½ x 3 |

## STORE DOOR SETS

Class No. 170

No. M624

LOCK AND LATCH.

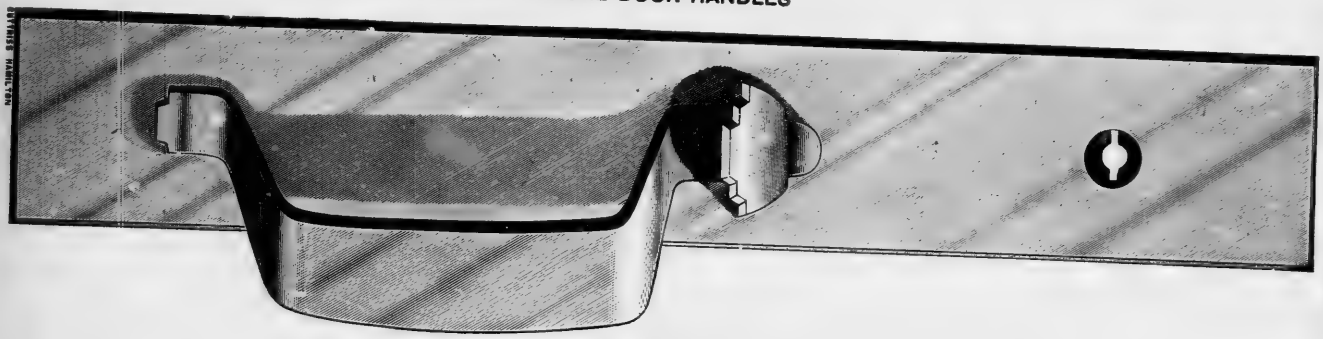
### PABBETED FRONTS—DOUBLE HANDLES.

| No. | Size. | | Per set. |
|---|---|---|---|
| M624 | 4½ x 3 | Ornamental bronze front and striking plate, heavy bronze bolt, anti-friction latch, 2 nickel-plated steel keys, 3 steel tumblers, 72 changes | $ 9.00 |
| M625 | 4½ x 3 | Ornamental bronze front and striking plate, dark enamelled ground finish, same description as No. M624 | 9.00 |
| M626 | 4½ x 3 | Ornamental imitation bronze, brass bolts, same description as No. M624 | 6.50 |
| M627 | 4½ x 3 | Ornamental Geneva bronze, brass bolts, same description as No. M624 | 6.50 |
| M617 | 4½ x 3 | Plain brass front and striking plate, heavy brass bolt, anti-friction latch, 2 nickel-plated steel keys, 3 steel tumblers, 72 changes | 9.00 |
| M618 | 4½ x 3 | Plain bronze front and striking plate, heavy bronze bolts, same description as No. M617 | 9.00 |
| M619 | 4½ x 3 | Nickel-plated on brass, same description as No. M617 | 10.00 |

Packed one set in a box, with screws, complete.

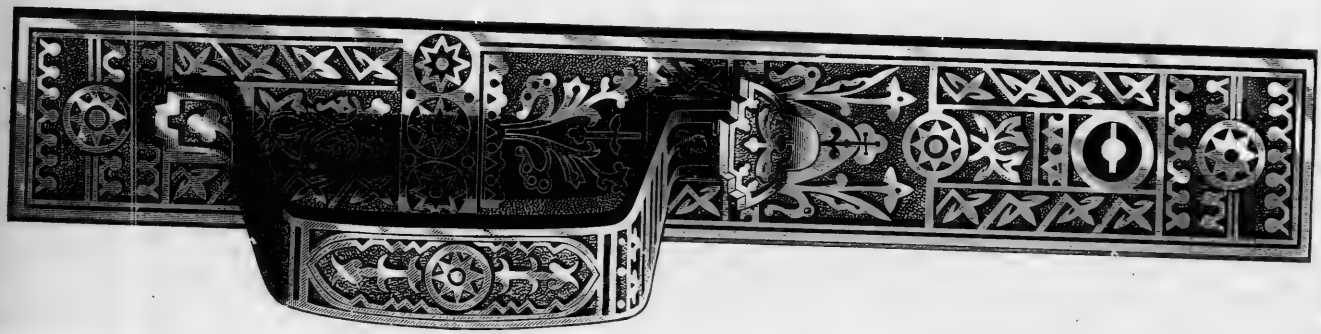
For description of handles see page 64.

## STORE DOOR HANDLES



For Locks Nos. M603, 604, 605, 617, 618, 619. For Latches Nos. M600, 601, 602, 614, 615, 616.

Size for Latch, 10 x 2 inch. Size for Lock, 12 x 2 inch.



For Locks Nos. M610, 611, 612, 613, 624, 625, 626, 627. For Latches Nos. M606, 607, 608, 609, 620, 621, 622, 623.

Size for Latch, 10 x 2 inch. Size for Lock, 12 x 2 inch.

For Locks Nos. M610, 611, 612, 613, 624, 625, 626, 627. For Latches Nos. M606, 607, 608, 609, 620, 621, 622, 623.
Size for Latch, 10 x 2 inch. Size for Lock, 12 x 2½ inch.

## STORE DOOR SETS

### LOCK AND LATCH.

| No. | | Per set. |
|---|---|---|
| **800** | No. 1 finish | $18.50 |
| **801** | No. 2 finish | 18.50 |
| **802** | No. 4 finish | 20.00 |
| **803** | No. 5 finish | 20.00 |
| **804** | No. 6 finish | 26.00 |

### LATCH ONLY.

| No. | | Per set. |
|---|---|---|
| **805** | No. 1 finish | $17.50 |
| **806** | No. 2 finish | 17.50 |
| **807** | No. 4 finish | 19.00 |
| **808** | No. 5 finish | 19.00 |
| **809** | No. 6 finish | 25.00 |

Packed one set in a box, complete, with screws.

Cut reduced—Size 18½ x 3.

## STORE DOOR SETS

### LOCK AND LATCH.

| No. | | Per set |
|---|---|---|
| 820 | No. 1 finish | $ 8 |
| 821 | No. 2 finish | |
| 822 | No. 4 finish | 9 |
| 823 | No. 5 finish | 9 |
| 824 | No. 6 finish | 12 |

Cut reduced, size 16¼ x 2⅜.

### LATCH ONLY.

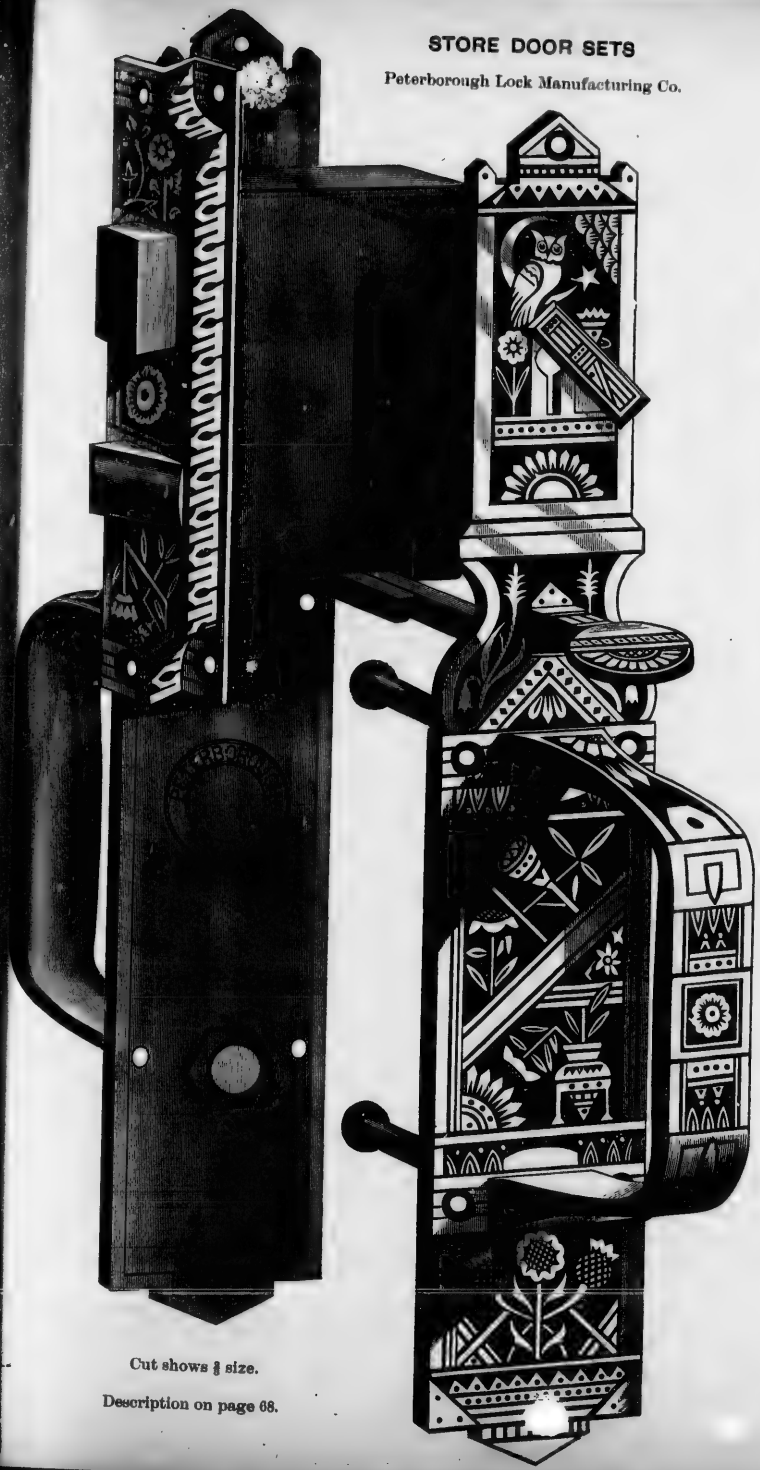
| No. | | Per set |
|---|---|---|
| 825 | No. 1 finish | $ 7 |
| 826 | No. 2 finish | 7 |
| 827 | No. 4 finish | 8 |
| 828 | No. 5 finish | 8 |
| 829 | No. 6 finish | 10 |

Size 15½ x 2⅜.

Packed one set in a box, complete, with screws.

## STORE DOOR SETS

Peterborough Lock Manufacturing Co.



Class No. 60

Class No. 60

Cut shows ⅛ size.

Description on page 68.

## STORE DOOR HANDLES

### With Mortise Latch.

FLAT FRONT. DOUBLE HANDLE.

No. **2722**—Real Bronze ..... Each $4.00
No. **4722**—Bronze-plated (No. 10 finish) ..... Each 3.00

RABBETED FRONT. DOUBLE HANDLE.

No. **2723**—Real Bronze ..... Each 5.00
No. **4723**—Bronze-plated (No. 10 finish) ..... Each 3.50

## Store Door Handles

### With Mortise Lock and Latch.

FLAT FRONT. DOUBLE HANDLE.

No. **2726**—Real Bronze ..... Each $7.50
No. **4727**—Bronze-plated (No. 10 finish) ..... Each 5.00

RABBETED FRONT. DOUBLE HANDLE.

No. **2727**—Real Bronze ..... Each 8.00
No. **4727**—Bronze-plated (No. 10 finish) ..... Each 6.00

For cuts see page 67.

| No. | | Per d |
|---|---|---|
| 140 | .... | $6.0 |
| 141 | .... | 7.0 |
| 142 | .... | 6.0 |
| 143 | .... | 6.0 |
| 144 | .... | 6.0 |
| 145 | .... | 4.0 |
| 146 | .... | 4.0 |

## FLUSH CUP ESCUTCHEONS

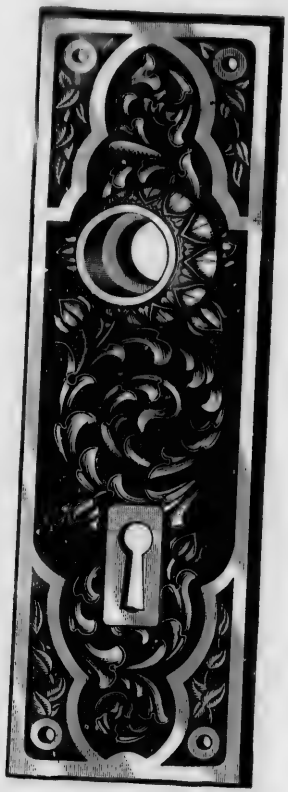
No. 143

No. 153

| No. | | Per doz. | | No. | | Per doz. |
|---|---|---|---|---|---|---|
| 140 | .... | $6.00 | Highly polished brass | 150 | .... | $7.00 |
| 141 | .... | 7.00 | Nickel-plated | 151 | .... | 8.00 |
| 142 | .... | 6.00 | Highly polished bronze | 152 | .... | 7.00 |
| 143 | .... | 6.00 | Ornamental bronze | 153 | .... | 7.00 |
| 144 | .... | 6.00 | Ornamental bronze, dark enamelled ground finish | 154 | .... | 7.00 |
| 145 | .... | 4.00 | Ornamental imitation bronzed | 155 | .... | 4.50 |
| 146 | .... | 4.00 | Ornamental Geneva bronzed | 156 | .... | 4.50 |

## ROSE AND ESCUTCHEONS COMBINED

No. 440



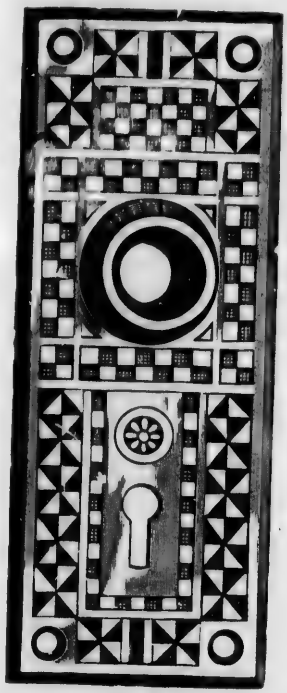
No. 268

| Peterboro' No. | Gurney's No. | | Per dozen. |
|---|---|---|---|
| 589 | 440 | Highly polished brass | $4.20 |
| 599 | 441 | Nickel-plated | 4.70 |
| 579 | 442 | Highly polished bronze | 4.20 |

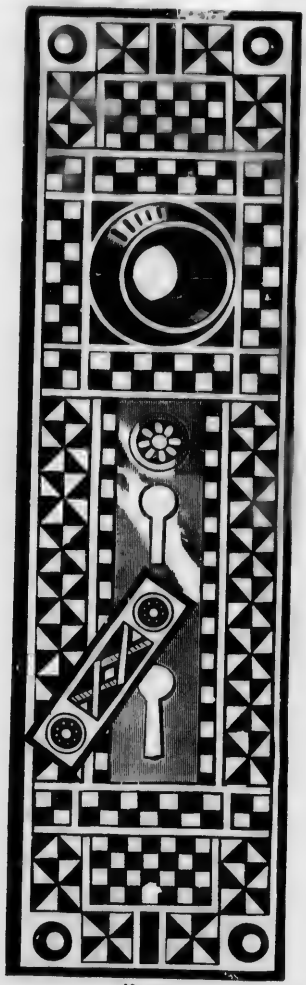
| | | |
|---|---|---|
| 268 | Ornamental gold bronze | |
| 269 | Ornamental chocolate bronze | 6.00 |
| 270 | Ornamental light bronze, dark enamelled ground finish | 6.00 |
| 271 | Ornamental antique copper | 6.75 |
| 272 | Ornamental antique brass | 6.75 |
| 273 | Ornamental antique silver | 8.00 |

Suitable for 3½, 3¾ and 4 inch Mortise Locks.

## ROSE AND ESCUTCHEONS COMBINED



No. 44



No. 53

FOR VESTIBULE LATCHES.

| Peterboro' No. | Gurney's No. | Per doz. |
|---|---|---|
| 585¼ | 40 | $4 20 |
| 595¼ | 41 | 4.70 |
| 575½ | 42 | 4.20 |
| ..... | 43 | 4.20 |
| ..... | 44 | 4.20 |
| ..... | 45 | 3.20 |
| ..... | 46 | 3.20 |

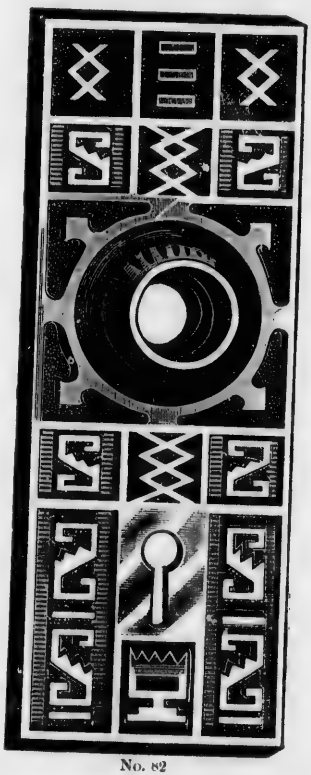
FOR FRONT DOOR MORTISE LOCKS.

| | No. | Per doz. |
|---|---|---|
| Highly polished brass | 50 | 87.00 |
| Nickel-plated | 51 | 8.00 |
| Highly polished bronze | 52 | 7.00 |
| Ornamental bronze | 53 | 6.00 |
| Ornamental bronze, dark enamelled ground finish | 54 | 6.00 |
| Ornamental imitation bronzed | 55 | 3.50 |
| Ornamental Geneva bronzed | 56 | 3.50 |

Knobs to match above are Nos. 313, 314, 315, 316.

Combined roses and escutcheons for 3¾ and 4 inch mortise locks are Nos. 440, 441, 442, 443, 444, 445, 446 (cut not shown) Same list as Nos. 40 to 46.

## ROSE AND ESCUTCHEONS COMBINED



No. 82

No. 92

FOR VESTIBULE LATCHES.

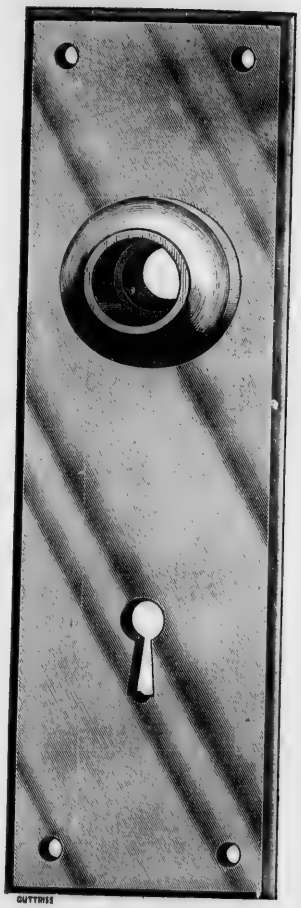
| No. | | Per doz. | |
|---|---|---|---|
| **80** | .... | $4.20 | Ornamental bronze |
| **81** | .... | 4.20 | Ornamental bronze, dark enamelled ground finish |
| **82** | .... | 3.20 | Ornamental imitation bronzed |
| **83** | ... | 3.20 | Ornamental Geneva bronzed |

FOR FRONT DOOR MORTISE LOCKS

| No. | | Per doz. |
|---|---|---|
| **90** | .... | $6.00 |
| **91** | .... | 6.00 |
| **92** | .... | 4.00 |
| **93** | .... | 4.00 |

| Peterboro' No. | Gurney's No. |
|---|---|
| **587** | **450** |
| **597** | **451** |
| **577** | **452** |

## ROSE AND ESCUTCHEONS COMBINED



No. 450

No. 274

| Peterboro' No. | Gurney's No. | | Per doz. |
|---|---|---|---|
| 587 | 450 | Highly polished brass ..... | $4.50 |
| 597 | 451 | Nickel-plated ..... ..... | 5.00 |
| 577 | 452 | Highly polished bronze ..... | 4.50 |

| No. | | Per doz. |
|---|---|---|
| 274 | Ornamental gold bronze ..... | $7.00 |
| 275 | Ornamental chocolate bronze..... | 7.00 |
| 276 | Ornamental light bronze, dark enamelled ground finish..... ..... ..... | 7.00 |
| 277 | Ornamental antique copper . ..... . | 7.60 |
| 278 | Ornamental antique brass . ..... .. | 7.60 |
| 279 | Ornamental antique silver. ..... | 9.10 |

**Suitable for 4½ inch Mortise Locks.**

## ROSE AND ESCUTCHEONS COMBINED

No. 280

Plain Escutcheons Nos. 40, 41, 42, page 71, suitable for Vestibule Latches.

No. 292

Plain Escutcheons Nos. 50, 51, 52, page 71, suitable for Front Door Mortise Locks. Nos. 300 to 306 same pattern as cut but larger.

| Peterboro' No. | No. | Per dozen. | | No. | Per dozen. |
|---|---|---|---|---|---|
| 2779 | 280 | $7.00 | Ornamental gold bronze | 292 | $8.00 |
| | 281 | 7.00 | Ornamental chocolate bronze | 293 | 8.00 |
| | 282 | 7.00 | Ornamental light bronze, dark enamelled ground finish | 294 | 8.00 |
| | 283 | 7.70 | Ornamental antique copper | 295 | 8.80 |
| | 284 | 7.70 | Ornamental antique brass | 296 | 8.80 |
| | 285 | 9.10 | Ornamental antique silver | 297 | 10.40 |

## ROSE AND ESCUTCHEONS COMBINED

Peterborough Lock Mfg. Co.

No. 2676—Full size cut.

No. 2576—Full size cut.

No. 2676—Real bronze ..... Per dozen $6.00

No. 2576—Real bronze ..... Per dozen 6.00

Packed with screws to match.

Plain Escutcheons Nos. 50, 51, 52, page 71, suitable for Front Door Mortise Locks. Nos. 300 to 305 same pattern as cut but larger.

| No. | Per dozen. |
|---|---|
| 292 | $8.00 |
| 293 | 8.00 |
| 294 | 8.00 |
| 295 | 8.80 |
| 296 | 8.80 |
| 297 | 10.40 |

## ROSE AND ESCUTCHEON COMBINED

Peterborough Lock Mfg. Co.

Full size cut of No. 2577

No. **2577**—Real bronze.
Per dozen, $5.00
Packed with screws to match.

## ESCUTCHEONS

Peterborough Lock Mfg. Co.

Nos. 2682
3682
4682

Nos. 2681
3681
4681

Nos. 2582
3582
4582

Nos. 2581
3581
4581

APPLEWOOD AND OAK ESCUTCHEONS.

No. 65

No. 68

Nos. **65** or **68**

Polished Oak.....Per dozen, $0.40
Polished Apple Wood.....Per dozen, $0.40

For prices, etc., see page 78.

Nos. 7, 8, 8½

Nos. 21 to 24

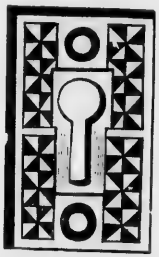
Nos. 210 to

## ESCUTCHEONS

Nos. 7, 8, 8½

Nos. 200 to 204

Nos. 205 to 208

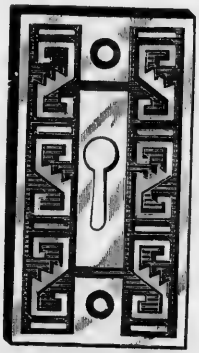


Nos. 15½ to 18½

Nos. 9, 10

Nos. 21 to 24

Nos. 250 to 255



Nos. 25 to 28

Nos. 256 to 261

Nos. 210 to 212

Nos. 262 to 267

Nos. 230 to 233

Nos 220 to 223

For prices see page 78.

## ESCUTCHEONS

For illustrations see pages 76 and 77.

PLAIN BRASS.

| No. | 7 | 200 | 210 |
|---|---|---|---|
| Per doz | $0.40 | $0.70 | $5.00 |

PLAIN BRONZE.

| No | 8½ | 201 | 211 |
|---|---|---|---|
| Per doz | $0.90 | $0.70 | $5.00 |

NICKEL-PLATED.

| No | 8 | 202 | 212 |
|---|---|---|---|
| Per doz | $0.65 | $0.80 | $5.50 |

ORNAMENTAL BRONZE.

| No | 205 | 15½ | 9 | 23 | 27 | 250 |
|---|---|---|---|---|---|---|
| Per doz | $0.70 | $0.70 | $0.70 | $0.80 | $1.20 | $1.80 |
| No | 256 | 262 | 230 | 220 | | |
| Per doz | $2.00 | $4.50 | $4.50 | $4.20 | | |

ORNAMENTAL BRONZE, DARK ENAMELLED GROUND FINISH.

| No | 206 | 16½ | 24 | 28 | 252 | 258 |
|---|---|---|---|---|---|---|
| Per doz | $0.70 | $0.70 | $0.80 | $1.20 | $1.80 | $2.00 |

ORNAMENTAL CHOCOLATE BRONZE.

| No | 251 | 257 | 263 |
|---|---|---|---|
| Per doz | $1.80 | $2.00 | $4.50 |

ORNAMENTAL ANTIQUE SILVER.

| No | 255 | 261 | 267 |
|---|---|---|---|
| Per doz | $2.60 | $2.75 | $5.50 |

ORNAMENTAL ANTIQUE BRASS.

| No. | 254 | 260 | 266 |
|---|---|---|---|
| Per doz | $2.00 | $2.25 | $5.00 |

ORNAMENTAL ANTIQUE COPPER.

| No | 253 | 259 | 265 |
|---|---|---|---|
| Per doz | $2.00 | $2.25 | $5.00 |

BRONZE PLATED (imitation).

| No | 207 | 232 | 222 | 17½ | 22 | 26 |
|---|---|---|---|---|---|---|
| Per doz | $0.50 | $3.50 | $3.20 | $0.50 | $0.60 | $0.90 |

BERLIN BRONZE.

| No | 231 | 221 | 10 |
|---|---|---|---|
| Per doz | $4.50 | $4.20 | $0.70 |

ORNAMENTAL GENEVA BRONZED.

| No | 208 | 18½ | 21 | 25 | 233 | 223 |
|---|---|---|---|---|---|---|
| Per doz | $0.50 | $0.50 | $0.60 | $0.90 | $3.50 | $3.20 |

| | | |
|---|---|---|
| No. 2581—Real bronze | Per dozen | $2.00 |
| No. 3581—Berlin bronze | Per dozen | 1.00 |
| No. 4581—Bronze plated | Per dozen | 1.30 |
| No. 2681—Real bronze | Per dozen | 2.00 |
| No. 3681—Berlin bronze | Per dozen | 1.00 |
| No. 4681—Bronze plated | Per dozen | 1.30 |

| | | |
|---|---|---|
| No. 2582—Real bronze | Per dozen | $1.20 |
| No. 3582—Berlin bronze | Per dozen | 0.60 |
| No. 4582—Bronze plated | Per dozen | 0.90 |
| No. 2682—Real bronze | Per dozen | 1.20 |
| No. 3682—Berlin bronze | Per dozen | 0.60 |
| No. 4682—Bronze plated | Per dozen | 0.90 |

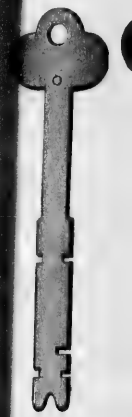
## DESCRIPTION OF FINISHES

GENUINE BRONZE.

No. 1—Gold bronze.
No. 2—Chocolate bronze.
No. 3—Light bronze, dark enamelled ground finish.
No. 4—Antique copper.
No. 5—Antique brass.
No. 6—Antique silver.

IRON.

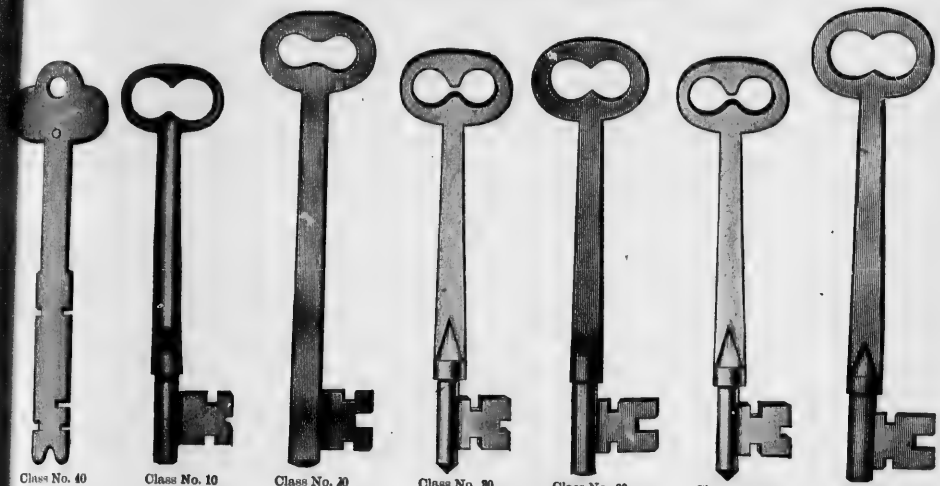
No. 7—Berlin bronze.
No. 8—Grant bronze (dark background and copper surface.
No. 9—Bronze plated (imitation) Tuscan bronze.
No. 10—Bronze plated (Geneva dark background and bronze surface).



Class No. 40

Class No. 110

## KEYS FOR RIM LOCKS AND LATCHES



Class No. 40 Class No. 10 Class No. 20 Class No. 30 Class No. 60 Class No. 70 Class No. 80

Class No. 90 Class No. 100

## KEYS FOR MORTISE LOCKS

Class No. 110 Class No. 113 Class No. 120 Class No. 121 Class No. 130 Class No. 150 Class No. 170

For prices see page 80.

## KEYS FOR RIM LOCKS

| Peterboro' No. | Gurney's No. | | Per doz |
|---|---|---|---|
| 90 .... | 40 | Steel nickel-plated for latches 30, 31, 32, 33 | $1 00 |
| 15 .... | 10 | Bronzed iron for locks 36, 40a | .27 |
| 16 .... | 11 | Tinned " " 36a, 41a | .33 |
| .. .... | 12 | Malleable tinned for locks 37, 42 | .50 |
| .. .... | 13 | Steel nickel-plated for locks 38, 39, 43, 44 | 1.40 |
| 14 .... | 20 | Flat steel for locks 60, 61, 200, 201 | 1.20 |
| .. .... | 21 | " nickel-plated for lock 60½ | 1.20 |
| 26 .... | 30 | Steel nickel-plated for locks 660, 661 | 1.40 |
| .. .... | 31 | Malleable tinned for lock 660½ | .50 |
| 25 .... | 60 | Malleable tinned for locks 770, 1110, 2200½, 2220½ | .70 |
| 27 .... | 70 | Steel nickel-plated for locks 771, 772, 880, 881, 1000, 1001, 1002, 1003, 1100, 1101, 1111, 1112, 1160, 1170, 1172, 1190, 1192, 2200, 2201, 2220, 2222 | 1.20 |
| 51 .... | 80 | Steel nickel-plated for locks 1120, 1121, 1130, 1131, 1140, 1143, 2230, 2231 | 1.80 |
| 50 .... | 90 | Malleable tinned for locks 1120½, 1130½, 1136, 1146, 2230½ | .60 |
| 46 .... | 100 | Steel nickel-plated folding key for locks 440, 441, 450, 451, 460, 461 | 3.50 |

## KEYS FOR MORTISE LOCKS

| | | | |
|---|---|---|---|
| 35 .... | 110 | Tinned iron for locks 900, 1000 | .23 |
| .. .... | 111 | Bronzed " " 901, 1001 | .23 |
| .. .... | 112 | Tinned malleable for locks 902, 1002 | .50 |
| .. .... | 113 | Steel nickel-plated for locks 903 to 919, inclusive, 1003, 1004, 1006, 1007, 1008, 1009 | 1.40 |
| .. .... | 121 | Malleable tinned for lock 1110½ | .50 |
| .. .... | 120 | Steel nickel-plated for locks 1110 to 1119 inclusive | 1.40 |
| 37 .... | 130 | Steel nickel-plated for locks 1132, 1135, 1138, 1141, 1144, 1145, 1146, 1149, 1152, 1153, 1168, 1166, 1200 to 1213 inclusive 1250 to 1259 inclusive, 1260, 1261 | 1.40 |
| .. .... | 150 | Steel nickel-plated night latch key for all vestibule and front door mortise locks with night works | 1.80 |
| 471 .... | 170 | Steel nickel-plated for locks 603, 604, 605, 610, 611, 612, 613, 617, 618, 619, 624, 625, 626, 627 | 1.80 |

For cuts see page 79.

## KEYS FOR CARPENTER'S PATTERN WROUGHT IRON LOCKS

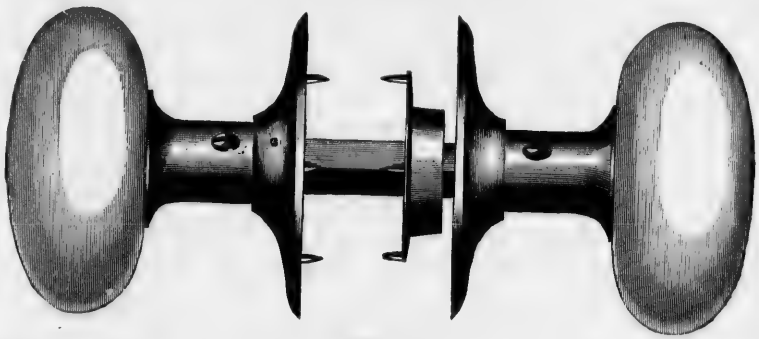
| Inch | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|
| Per dozen | $1.50 | $1.50 | $1.90 | $2.65 | $3.00 | $3.30 |

BLANKS.

| Inch | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|
| Per dozen | $1.35 | $1.35 | $1.50 | $1.95 | $2.80 |

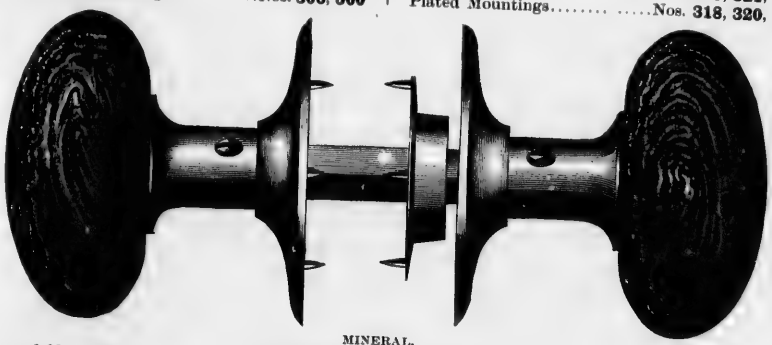
## DOOR KNOBS

For prices and full description see page 85.



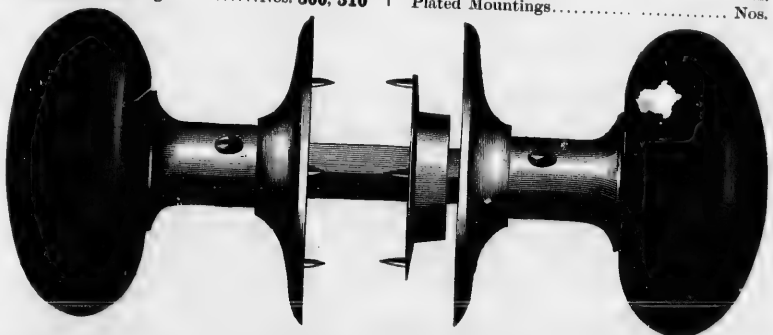
PORCELAIN.

Rim, Japanned Mountings.....Nos. **307, 500** | Plated Mountings.....Nos. **319, 321, 600, 680**
Mortise, Japanned Mountings.....Nos. **306, 500** | Plated Mountings.....Nos. **318, 320, 600, 680**



MINERAL.

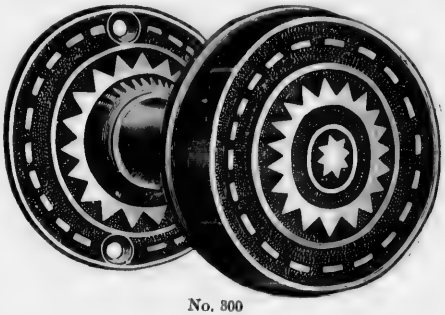
Rim, Japanned Mountings.....Nos. **301, 510** | Plated Mountings.....Nos. **335, 620**
Mortise, Japanned Mountings.....Nos. **300, 510** | Plated Mountings.....Nos. **334, 620**



JET.

Rim, Japanned Mountings.....Nos. **337, 710½** | Plated Mountings.....Nos. **389, 341, 610, 690**
Mortise, Japanned Mountings.....Nos. **336, 710½** | Plated Mountings.....Nos. **338, 340, 610, 690**

## DOOR KNOBS

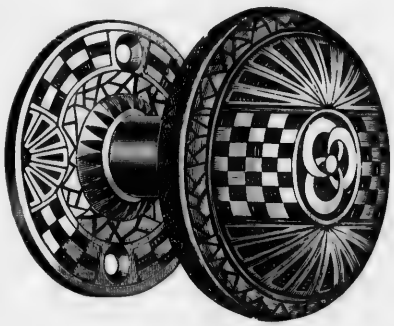


No. 300

| Peterboro' No. | Gurney's No. | | Per doz. pairs. 2¼ | 2½ |
|---|---|---|---|---|
| 2810 2510 | 300 | Ornamental bronze | $15.00 | $17.00 |
| | 301 | Ornamental bronze, dark enamelled ground finish | 15.00 | 17.00 |
| | 302 | Ornamental imitation bronzed | 7.00 | |
| 4810 | 303 | Ornamental Geneva bronzed | 7.00 | |
| | 304 | Ornamental Grant bronzed | 4.50 | |
| 3810 | 305 | Ornamental Berlin bronzed | 4.50 | |

Combined Rose and Escutcheons to match are Nos. 80, 81, 82, 83, 90, 91, 92, 93.

Keyhole Escutcheons to match are Nos. 21, 22, 25, 26.



No. 313

| Peterboro' No. | Gurney's No. | | Per doz. pairs. 2¼ | 2½ |
|---|---|---|---|---|
| 2600 2500 2800 | 313 | Ornamental bronze | $12.00 | $11.00 |
| | 314 | Ornamental bronze, dark enamelled ground finish | 12.00 | 14.00 |
| 4800 | 315 | Ornamental imitation bronzed | 6.00 | |
| 4500 | 316 | Ornamental Geneva bronzed | 6.00 | |
| 6500 | 317 | Ornamental Grant bronzed | 4.00 | |
| 3500 | 318 | Ornamental Berlin bronzed | 4.00 | |
| 5500 | 319 | Nickel-plated | 6.00 | |

Combined Rose and Escutcheons to match are Nos. 43, 44, 45, 46, 53, 54, 55, 56.

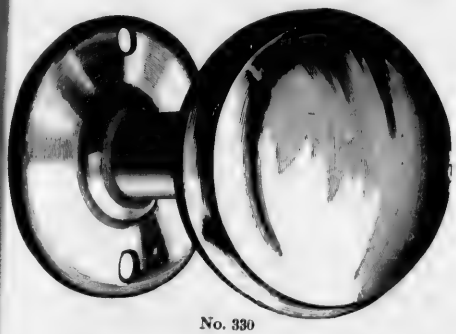
Keyhole Escutcheons to match are Nos. 15, 16.

No. 325

| Peterboro' No. | Gurney's No. | | Per doz. pairs. 2¼ | 2½ |
|---|---|---|---|---|
| 2710 | 325 | Ornamental bronze, No. 1 finish | $17.00 | $19.00 |
| | 326 | Ornamental bronze, No. 2 finish | 17.00 | 19.00 |
| | 327 | Ornamental bronze, No. 3 finish | 17.00 | 19.00 |
| | 328 | Ornamental bronze, No. 4 finish | 19.00 | 21.00 |
| | 329 | Ornamental bronze, No. 5 finish | 19.00 | 21.00 |
| | 329½ | Ornamental bronze, No. 6 finish | 22.10 | 24.10 |

Half dozen pairs in a box, with screws.

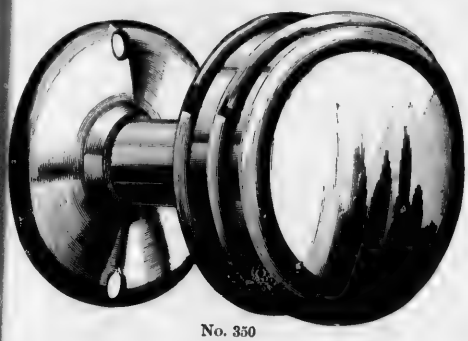
## DOOR KNOBS



No. 330

### Single Bead.

| Peterboro' No. | Gurney's No. | | Per dozen pairs. 2¼ | 2½ |
|---|---|---|---|---|
| **533** | **330** | Plain brass | $12.00 | $15.00 |
| **2534** | **331** | Nickel-plated | 13.00 | 16.00 |
| **2533** | **340** | Plain bronze | 12.00 | 15.00 |

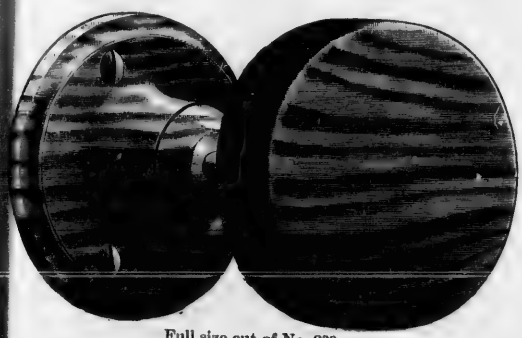


No. 350

### Double Bead.

| Peterboro' No. | Gurney's No. | | Per doz. pairs. 2¼ | 2½ |
|---|---|---|---|---|
| **520** | **350** | Plain brass | 16.00 | 18.00 |
| .... | **351** | Nickel-plated | 18.00 | 20.00 |
| **2520** | **360** | Plain bronze | 16.00 | 18.00 |

## WOOD DOOR KNOBS



Full size cut of No. 230.

### MORTISE.

Made from selected timber.

9-16 inch, Bronzed Metal Capped Shanks, with Bronzed Screws. 5-16 inch Spindles.

### Oak.

No. **230**, 2¼ in. all wood roses. Per dozen $4.50
No. **233**, 2¼ in. ornamental cast bronze metal roses.....Per dozen 5.75

### Apple Wood.

No. **230**, 2¼ in. all wood roses. Per dozen 4.50
No. **233**, 2¼ in. ornamental cast bronze metal roses.....Per dozen 5.75

Half dozen pairs in a box, with screws.

## DOOR KNOBS

For prices and full description see page 85.

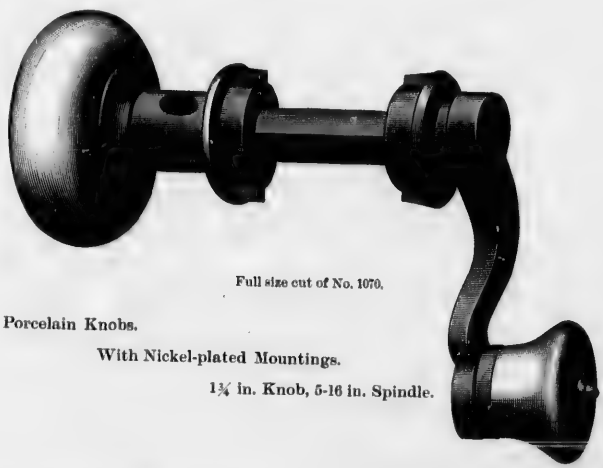
Nos. 2506, 2507, 3506, 3507, 4506, 4507.

Nos. 1000, 800, 805.

Nos. 2504, 2505, 3504, 3505, 4504, 4505.

Nos. 1010, 810, 815.

## French Window Mortise Crank Handle Knobs



Full size cut of No. 1070.

Porcelain Knobs.

With Nickel-plated Mountings.

1¾ in. Knob, 5-16 in. Spindle.

No. **1070**—Porcelain knobs, nickel-plated crank handle ..... Per dozen $12.00

## DOOR KNOBS

See pages 81, 82, 83 and 84 for cuts.

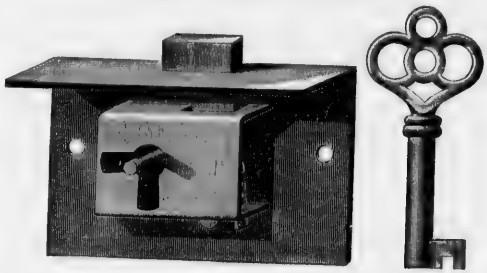
### Rim and Mortise Door Knobs.

| Peterboro No. | Gurney's No. | Size. | | | Per dozen. |
|---|---|---|---|---|---|
| 1st 307 | 500 No. 1 | 2¼ in. | Rim | Porcelain knobs, japanned mountings, plain or ornamental roses | $0.90 |
| 1st 306 | 500 No. 1 | " | Mortise | Porcelain knobs, japanned mountings, plain or ornamental roses | 0.90 |
| 2nd 307 | 500 No. 2 | " | Rim | Porcelain knobs, japanned mountings, plain or ornamental roses | 0 72 |
| " 306 | 500 No. 2 | " | Mortise | Porcelain knobs, japanned mountings, plain or ornamental roses | 0.72 |
| 301 | 510 | " | Rim | Mineral knobs, japanned mountings | 0.90 |
| 300 | 510 | " | Mortise | Mineral knobs, japanned mountings | 0.90 |
| 337 | 710½ | " | Rim | Jet knobs, Japanned mountings | 0.90 |
| 336 | 710½ | " | Mortise | Jet knobs, japanned mountings | 0.90 |
| | 0600 | " | Rim | Porcelain knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| | 0600 | " | Mortise | Porcelain knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| | 0610 | " | Rim | Jet knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| | 0610 | " | Mortise | Jet knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| | 0620 | " | Rim | Mineral knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| | 0620 | " | Mortise | Mineral knobs, nickel-plated on iron necks and ornamental roses | 1.90 |
| 319 | 600 | " | Rim | Porcelain knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 318 | 600 | " | Mortise | Porcelain knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 335 | 610 | " | Rim | Jet knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 338 | 610 | " | Mortise | Jet knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 335 | 620 | " | Rim | Mineral knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 334 | 620 | " | Mortise | Mineral knobs, nickel-plated on iron necks and brass roses | 1.90 |
| 321 | 680 | " | Rim | Porcelain knobs, nickel-plated on brass necks and brass roses | 2.65 |
| 320 | 680 | " | Mortise | Porcelain knobs, nickel-plated on brass necks and brass roses | 2.65 |
| 341 | 690 | " | Rim | Jet knobs, nickel-plated on brass necks and brass roses | 2.65 |
| 340 | 690 | " | Mortise | Jet knobs, nickel-plated on brass necks and brass roses | 2.65 |
| | 700 | " | Rim | Porcelain knobs, silver-plated on brass necks and brass roses | 2.95 |
| | 700 | " | Mortise | Porcelain knobs, silver-plated on brass necks and brass roses | 2.95 |
| | 710 | " | Rim | Jet knobs, silver-plated on brass necks and brass roses | 2.95 |
| | 710 | " | Mortise | Jet knobs, silver-plated on brass necks and brass roses | 2.95 |
| 3507 | 800 | " | Rim | Porcelain knobs, Berlin bronzed necks, ornamental roses | 1.55 |
| 3506 | 800 | " | Mortise | Porcelain knobs, Berlin bronzed necks, ornamental roses | 1.55 |
| 3505 | 810 | " | Rim | Jet knobs, Berlin bronzed necks, ornamental roses | 1.55 |
| 3504 | 810 | " | Mortise | Jet knobs, Berlin bronzed necks, ornamental roses | 1.55 |
| 4507 | 805 | " | Rim | Porcelain knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| 4506 | 805 | " | Mortise | Porcelain knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| 4505 | 815 | " | Rim | Jet knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| 4504 | 815 | " | Mortise | Jet knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| | 820 | " | Rim | Mineral knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| | 820 | " | Mortise | Mineral knobs, bronze-plated on iron necks and ornamental roses | 1.90 |
| 2507 | 1000 | " | Rim | Porcelain knobs, real bronze necks and ornamental roses | 3.00 |
| 2506 | 1000 | " | Mortise | Porcelain knobs, real bronze necks and ornamental roses | 3.00 |
| 2505 | 1010 | " | Rim | Jet knobs, real bronze necks and ornamental roses | 3.00 |
| 2504 | 1010 | " | Mortise | Jet knobs, real bronze necks and ornamental roses | 3.00 |

### French Window Knobs

| | | |
|---|---|---|
| 500 | 2 inch | Porcelain knobs, japanned mountings |
| 510 | " | Mineral knobs, japanned mountings |
| 550 | " | Porcelain knobs, japanned mountings |
| 700 | " | Porcelain knobs, plated mountings |
| 710½ | " | Jet knobs, japanned mountings |

## IRON DRAWER LOCKS

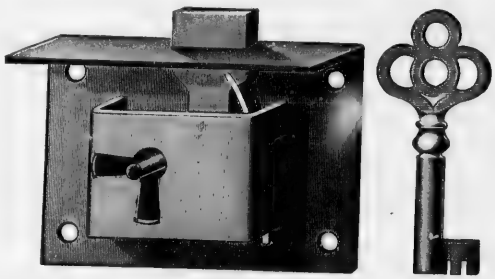


No. **72**—2¼ inch, IRON, back spring; ⅝ inch from selvedge to key pin.

3 Keyed.....Per dozen $0.40 | 12 Keyed.....Per dozen $0.56

Corresponding numbers, Yale R466. Corbin 626.

One dozen in a box.

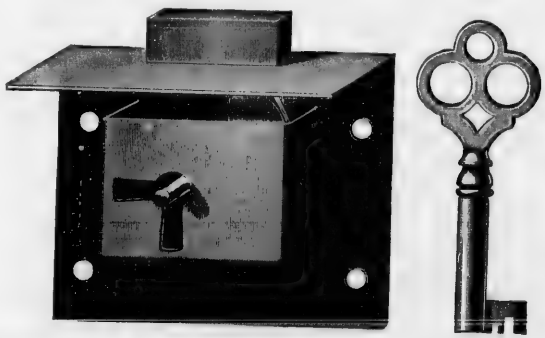


No. **423**—2¼ inch, IRON, back spring; 1⅛ inch from selvedge to key pin.

3 Keyed.....Per dozen $0.46 | 12 Keyed.....Per dozen $0.72

Corresponding numbers, Yale R465. Corbin 625.

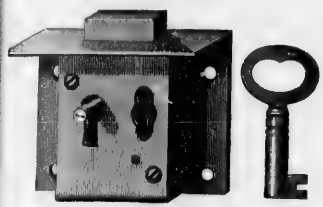
One dozen in a box.



No. **161**—2½ inch, IRON, back spring; broad bolt; ⅞ inch from selvedge to key pin.....12 Keyed, Per dozen $1.15

Corresponding numbers, Yale R474. Corbin 634.

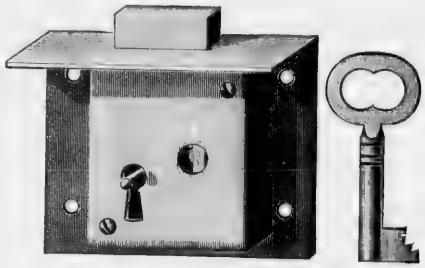
## IRON DRAWER LOCKS



No. **563** –1½ inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, ½ inch from selvedge to key pin, fine flat bow keys, all different in a dozen.

Per dozen..... $3.00

Corresponding numbers, Yale R100. Corbin 450.

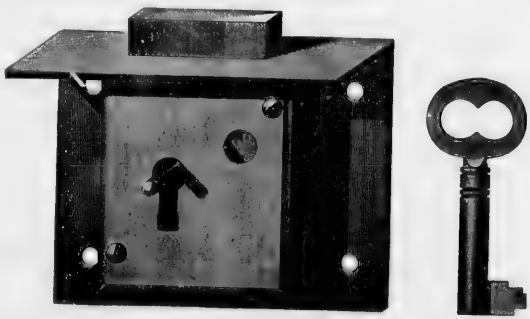


No. **1045**—2 inch, IRON, square selvedge, solid square box, screwed, broad heavy bolt, 2 secure levers, ⅞ inch from selvedge to key pin, fine flat bow keys, all different in a dozen.

Per dozen..... $3.00

Corresponding numbers, Yale R00. Corbin 440.

One dozen in a box.

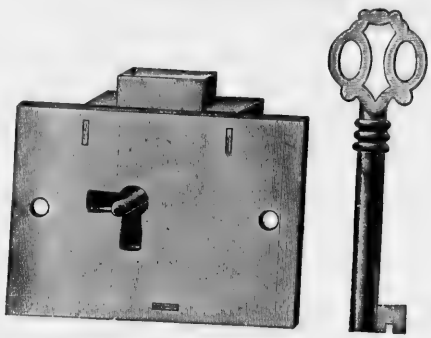


No. **237**—2½ inch, IRON, square selvedge, solid square box, screwed, broad heavy bolt, 3 secure levers, ⅞ inch from selvedge to key pin, fine flat bow keys, all different in a dozen..... .....Per dozen $3.25

Corresponding numbers, Yale R108. Corbin 457.

One dozen in a box.

## IRON DRAWER LOCKS



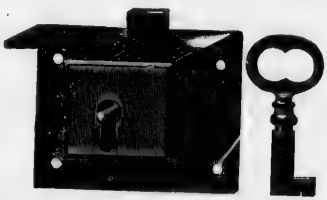
No. **447**—Iron, back spring, solid square box, $\frac{3}{4}$ inch from selvedge to key pin.

3 Keyed.....Per dozen $0.40 | 12 Keyed .....Per dozen $0.66

Corresponding numbers, Yale R486. Corbin 407.

One dozen in a box.

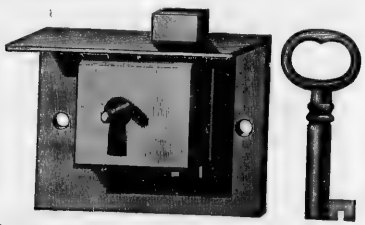
## Brass Drawer Locks



No. **46**—$1\frac{1}{2}$ inch (brass), back spring, $\frac{9}{16}$ inch from selvedge to key pin.

Per dozen..... ..... ..... ..... $0.75

Corresponding numbers, Yale RA460. Corbin 0620.



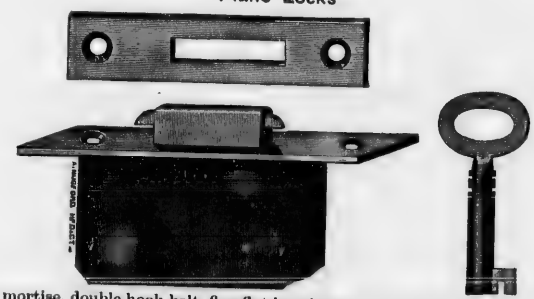
No. **33**—$1\frac{3}{4}$ inch (brass), back spring, $\frac{5}{8}$ inch from selvedge to key pin.

Per dozen..... $0.95

Corresponding numbers, Yale RA461. Corbin 0621.

One dozen in a box.

## Piano Locks

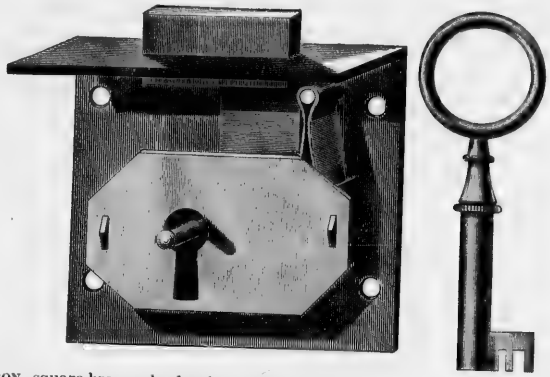


No. **197**—$2\frac{1}{2}$ inch (brass), mortise, double hook bolt, fine flat bow keys, $\frac{5}{8}$ inch from selvedge to key pin, Per dozen $3.00

Corresponding numbers, Yale S300. Corbin 880.

One dozen in a box.

## IRON DRAWER LOCKS

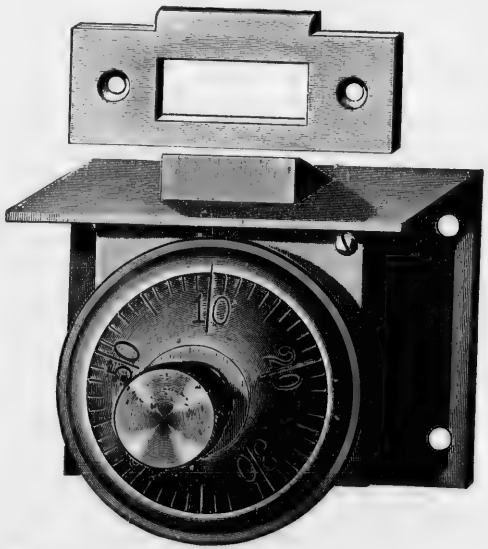


No. **1001N**—2½ inch, IRON, square brass selvedge, broad heavy bolt, tumbler and ward, 1½ inch from selvedge to centre of keyhole ..... Per dozen $2.00

Corresponding numbers, Yale R40. Corbin 421N.

One dozen in a box.

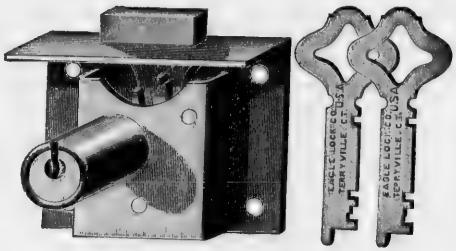
## Brass Combination Drawer Locks



No. **2011**—3 inch, all brass, square selvedge, heavy latch bolt, solid square box, screwed, nickel-plated knob and dial, 1¼ inch from selvedge to centre of knob. Capable of 1000 changes. Combination can be changed without removing lock. Adjustable to different thicknesses of wood from ⅞ inch to 1½ inch. ..... Per dozen $17.00

One in a box.

## IRON DRAWER LOCKS

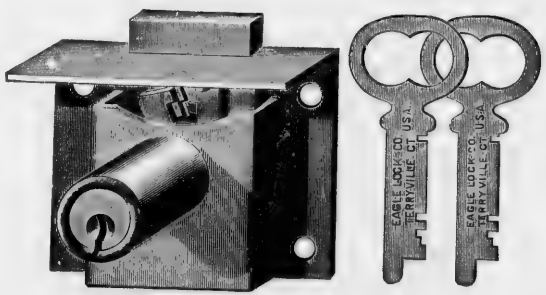



No. **6090**—1¾ inch (IRON), brass key cylinder, broad heavy bolt, 2 secure levers, ¾ inch from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood. Per dozen ..... $4.50

Corresponding numbers, Yale R295. Corbin 590.

One dozen in a box.

## Brass and Iron Drawer Locks




No. **01816**—2 inch (all brass), broad bolt, 2 secure levers, ⅞ inch from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood ..... Per dozen $5.50

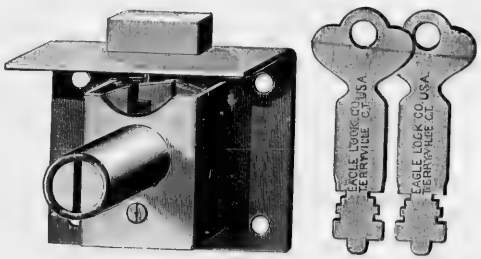
Corresponding numbers, Yale RA300. Corbin 0592¼.

No. **1816**—Iron plate and cap, otherwise as 01816 ..... Per dozen $4.75

Corresponding numbers, Yale R300. Corbin 592¼.

One dozen in a box.

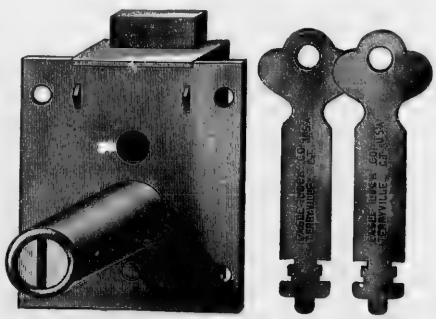
## BRASS DRAWER LOCKS




No. **01877**—1¾ inch, all brass, buffed and lacquered, broad bolt, 2 secure levers, ⅞ inch from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood.
Per dozen ..... $5.00

Corresponding numbers, Yale RA389. Corbin 0695.

One dozen in a box.



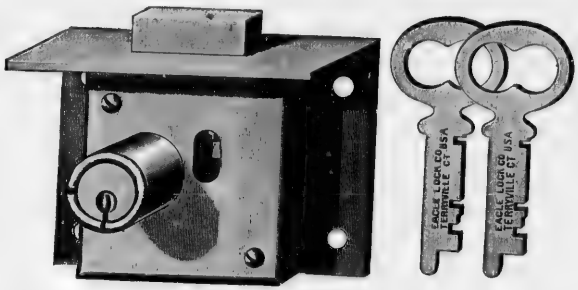
No. **01848**—1¾ inch, all brass, 2 secure levers, 1⅛ inches from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood ..... Per dozen $5.00

These locks may be applied without cutting the wood, simply boring hole for cylinder.

Corresponding numbers, Yale RA390. Corbin 0699.

One dozen in a box.

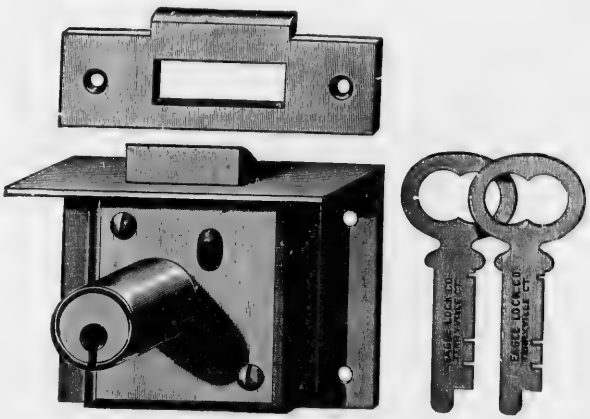
## BRASS DRAWER LOCKS




No. **6001**—2¾ inch (all brass), square selvedge, solid square box, screwed, broad heavy bolt, 3 secure levers, ⅞ inch from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood.....Per dozen, $7.75

Corresponding numbers, Yale RA311, Corbin 0601.

One dozen in a box.



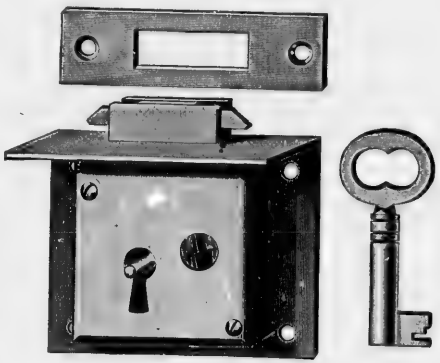

Spring Latch Bolt. Can be locked without key.

No. **6001½**—2¾ inch (all brass), square selvedge, brass striker, solid square box, screwed, heavy latch bolt, 3 secure levers, ⅞ inch from selvedge to centre of key cylinder, 2 nickel-plated flat steel keys each, all different in a dozen, made for ⅞ inch wood .....Per dozen, $9.00

Corresponding numbers, Yale RA390, Corbin 0601½.

One dozen in a box.

## IRON DESK LOCKS

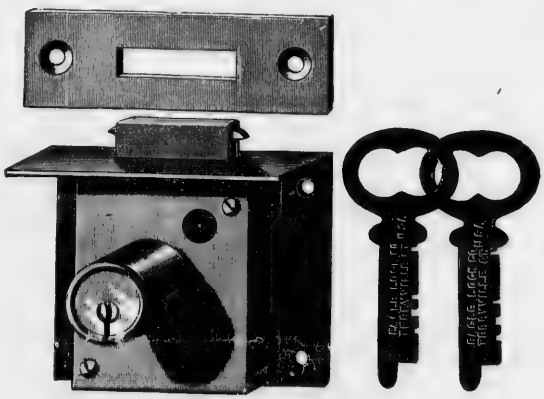


No. **1242**—2 inch, IRON, square selvedge, hook bolt, solid square box, screwed, 2 secure levers, ⅞ inch from selvedge to key pin, fine flat bow keys, all different in a dozen.....Per dozen $5.00

Corresponding numbers, Yale 8274. Corbin 67.

One dozen in a box.

## Brass Desk Locks



No. **01850**—2 inch, (all brass), square selvedge, hook bolt, solid square box, screwed, 3 secure levers, 2 nickel-plated flat steel keys each, all different in a dozen, ⅞ inch from selvedge to centre of key cylinder, made for ⅞ inch wood.....Per dozen $6.50

Corresponding numbers, Yale SA290. Corbin 0137.

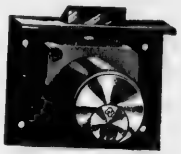
One dozen in a box.

## YALE LOCKS

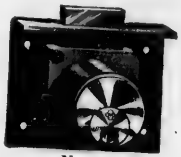
WITH GERMAN SILVER PARACENTRIC KEYS.

Cuts half size.

### Drawer Locks



No. 563S



No. 561

No. **561**—1⅞ x 2¼ inch, all brass, 24 keyed, heavy brass bolt, no two locks alike, brass cylinder, 1⅛ inch diameter for ⅞ inch wood, drop from selvedge to centre of cylinder 1 inch.....Per dozen $12.00

No. **562**—1⅞ x 2¼ inch, nickel-plated cylinder for ⅞ inch wood, otherwise same as No. 561.....Per dozen 13.20

No. **563**—1⅞ x 2¼ inch, brass cylinder for ⅞ inch wood, otherwise same as No. 562.....Per dozen 12.00

No. **563S**—1⅞ x 2¼ inch, brass spring latch bolt, otherwise same as No. 563.....Per dozen 13.80

### Desk Lock

No. 540

### Cupboard Lock

No. 513

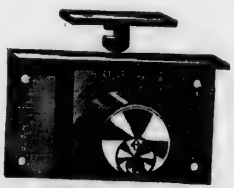
DESK LOCK.

No. **540**—1⅞ x 2¼ inch, all brass, 24 keyed, double hook bolt, no two locks alike, brass cylinder, 1⅛ inch, diameter for ⅞ inch wood, drop from selvedge to centre of cylinder 1 inch.....Per dozen $12.00

CUPBOARD LOCK.

No. **513**—2 x 1½ inch, all brass, 24 keyed, heavy brass bolt for either right or left hand, no two locks alike, brass cylinder 1⅛ inch diameter for ⅞ inch wood .....Per dozen $13.00

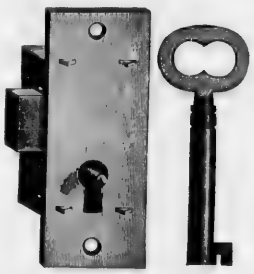
### Chest Lock



No. **5241**—1⅞ x 3 inch, all brass, 24 keyed, no two locks alike, brass cylinder 1⅛ inch diameter for ¾ inch wood, drop from selvedge to centre of cylinder 1 inch.....Per dozen $14.40

One lock in a box.

## IRON AND BRASS CUPBOARD OR WARDROBE LOCKS

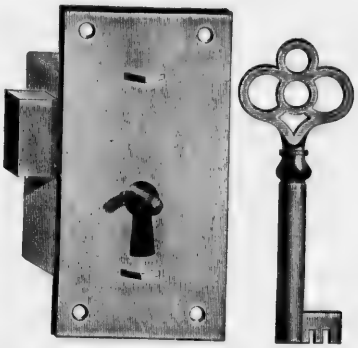


No. **508**—1⅛ x ⅞ inch (brass), solid square box, tumbler, bolt shoots right and left, flat bow keys..... ..Per dozen $2.00

Corresponding numbers, Yale WA1, Corbin 0700.

No. **509**—As 508, but iron .....Per dozen $1 50

Corresponding numbers, Yale W1, Corbin 700.



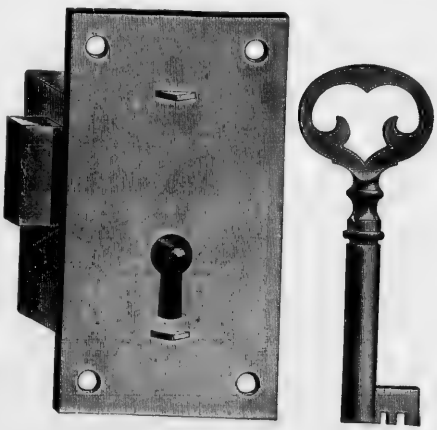
No. **416**—2½ x 1¼ inch (brass), solid square box, tumbler, bolt shoots right and left. Per dozen ..... $2.00

Corresponding numbers, Yale WA3, Corbin, 0702.

No. **415**—As 416, but iron..... .....Per dozen $1.50

Corresponding numbers, Yale W3, Corbin 702.

One dozen in a box.



No. **510**—3 x 1¾, iron, solid square box, broad bolt shoots right and left, tumbler.....Per dozen $1.00

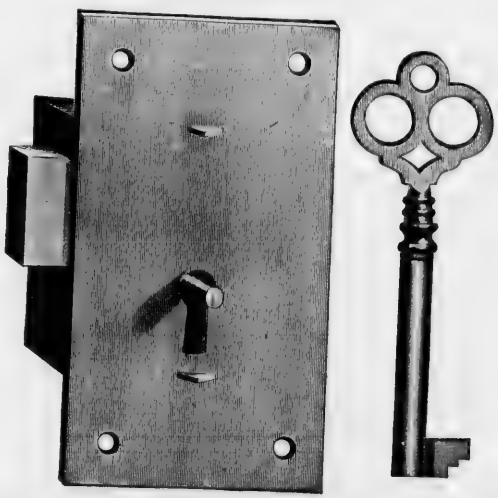
Corresponding numbers, Yale W7, Corbin 704.

One dozen in a box.

## IRON AND BRASS CUPBOARD OR WARDROBE LOCKS

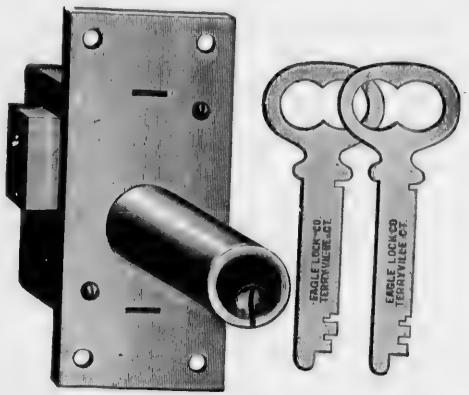
No. **392**—3½ x 1¾ inch, iron, solid square box, broad bolt, shoots right and left, tumbler.....Per dozen $1.75
Corresponding numbers, Yale W14. Corbin 710.

No. **395**—3½ x 1¾ inch, as 392 but brass.....Per dozen $2.75
Corresponding numbers, Yale WA14. Corbin 0710.
One dozen in a box.



No. **174**—3½ x 2 inch, iron, solid square box, broad bolt, shoots right and left, 2 secure levers, fancy bow keys, six changes in a dozen.....Per dozen $2.25
Corresponding numbers, Yale W52, Corbin 712.
One dozen in a box.

## IRON AND BRASS CUPBOARD OR WARDROBE LOCKS




No. **6098**—2¾ x 1¼ inch (all brass), solid square box, screwed, 2 secure levers, broad heavy bolt, shoots right and left, 2 nickel-plated flat steel keys each, all different in a dozen ..... Per dozen $8.00

Corresponding numbers, Yale WA102, Corbin 0750.

No. **7098**—2¾ x 1¼ inch, iron plate and box, brass bolt and key cylinder, otherwise as 6098 ..... Per dozen $6.00

Corresponding numbers, Yale W102, Corbin 750.

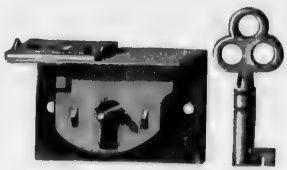
One dozen in a box.

No. **6074**—3 x 1⅝ inch (all brass), solid square box, screwed, broad heavy bolt, shoots right and left, 2 secure levers, 2 nickel-plated flat steel keys each, all different in a dozen, cylinders 3 lengths in each dozen, for ⅞, 1 and 1⅛ inch wood..... Per dozen $9.00

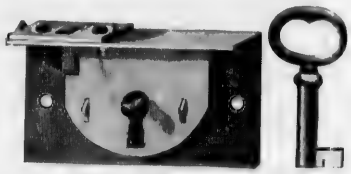
Corresponding numbers, Yale WA103, Corbin 0751.

One dozen in a box.

## BRASS AND IRON BOX LOCKS

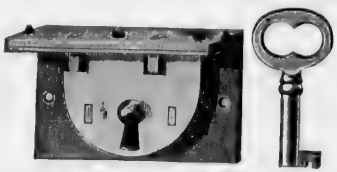


No. **42**—1½ inch (brass), single link .....Per dozen $0.75
Corresponding numbers, Yale SA21, Corbin 01.



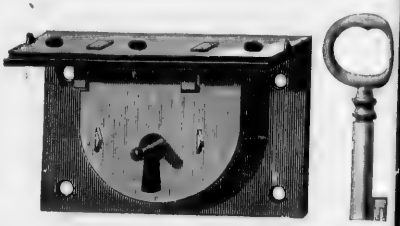
No. **45**—1¾ inch (brass), single link .....Per dozen $0.
Corresponding numbers, Yale SA24, Corbin 0

One dozen in a box.



Brass, Double Link

No. **181**—1½ inch. .....Per dozen $2.25
Corresponding numbers. Yale SA1, Corbin 030.

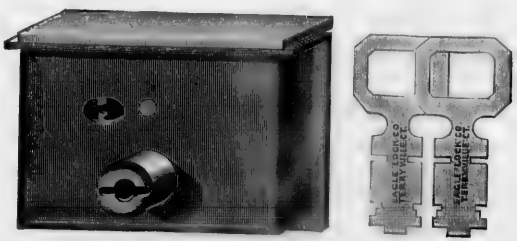


Iron, Double Link

No. **64**—2 inch, 1 ward .....Per dozen $1.
Corresponding numbers, Yale S2, Corbin 32.

One dozen in a box.

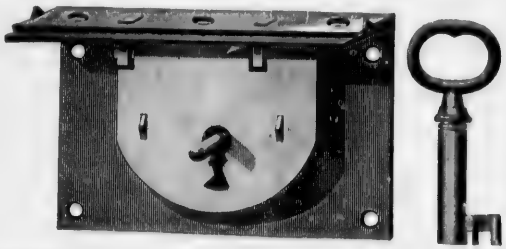
## Cash Box Locks




No. **619**—2 inch, IRON, brass selvedge and key cylinder, 1 inch from selvedge to centre of key hole, double link, 2 double bitted flat steel keys each, all different in a dozen..... .....Per dozen $2.5
Corresponding numbers, Yale S300, Corbin 819.

One dozen in a box.

## IRON CHEST LOCKS



**No. 166**—2½ inch, IRON, double link, 1 ward, four changes in a dozen.....Per dozen $2.12

Corresponding numbers, Yale 84, Corbin 34.

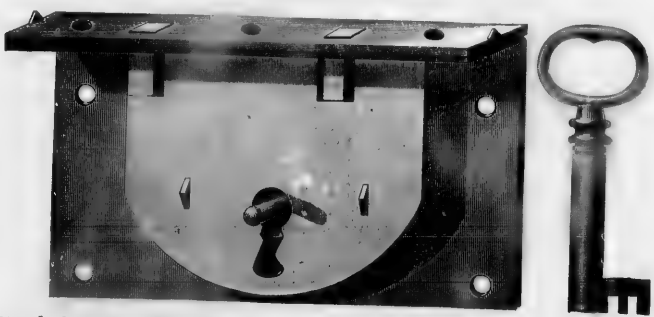
One dozen in a box.

**No. 160**—3 inch, IRON, double link, 1 ward, three changes in a dozen.....Per dozen $2.37

Can supply sloping desk to order if desired.

Corresponding numbers, Yale 86, Corbin 36.

One dozen in a box.



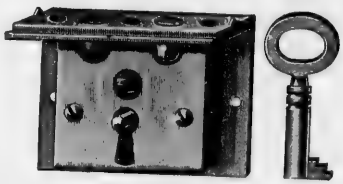
**No. 83**—3½ inch, IRON, double link, 1 ward, three changes in a dozen.....Per dozen $2.75

Can supply sloping desk to order if desired.

Corresponding numbers, Yale 88, Corbin 38.

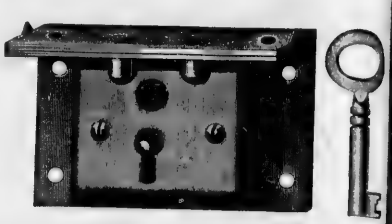
One dozen in a box.

## IRON CHEST LOCKS



No. **471**—1½ inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, double link, fine flat bow keys, all different in a dozen.....Per dozen $3.00

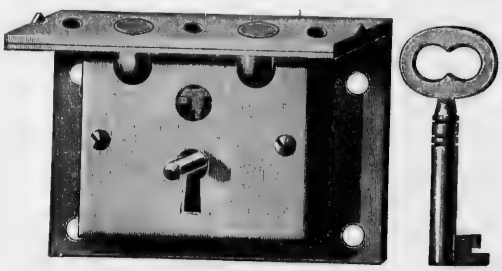
Corresponding numbers, Yale S110, Corbin 100.



No. **467**—2 inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, double link, fine flat bow keys, all different in a dozen ..... Per dozen $3

Corresponding numbers, Yale S112, Corbin 102.

One dozen in a box.



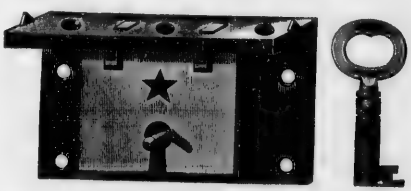
No. **427**—2½ inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, double link, fine flat bow keys, all different in a dozen..... ..... Per dozen $3.

Corresponding numbers, Yale S114, Corbin 104.

One dozen in a box.

Can supply sloping desk to order if desired.

## Brass Box Locks

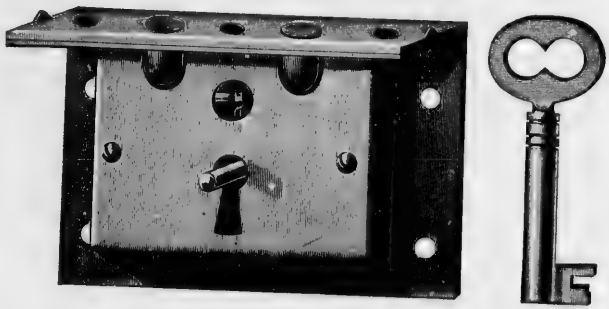


No. **585**—2 inch, ALL BRASS, square selvedge, solid square box, 1 secure lever, double link, fine flat bow keys, four changes in a dozen. ..... ..... .....Per dozen $3.

Corresponding numbers, Yale SA68, Corbin 063.

One dozen in a box.

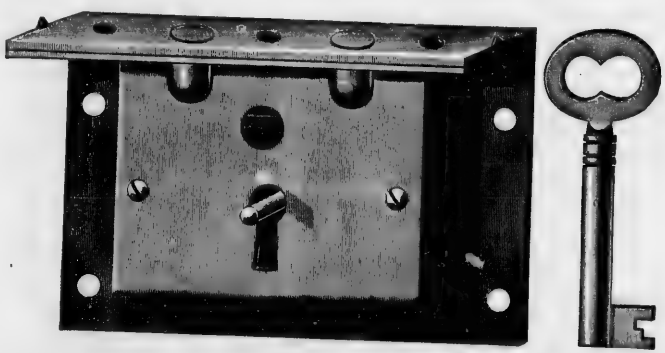
## IRON CHEST LOCKS



No. **410**—3 inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, double link, fine flat bow keys, all different in a dozen..... Per dozen $4.00

Corresponding numbers, Yale S117, Corbin 106.

One dozen in a box.



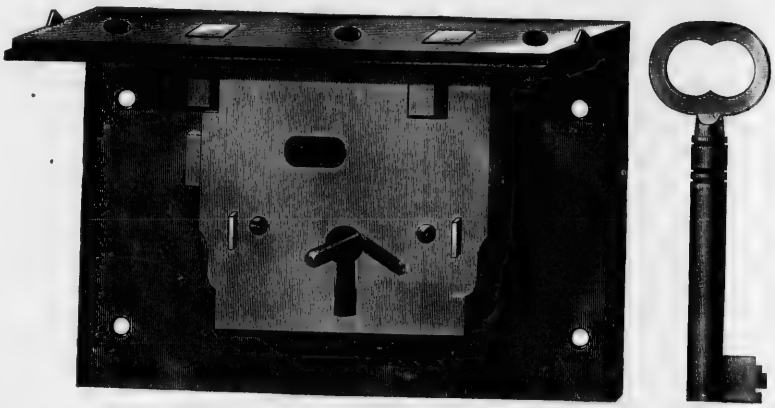
No. **408**—3½ inch, IRON, square selvedge, solid square box, screwed, 2 secure levers, double link, fine flat bow keys, all different in a dozen..... Per dozen $4.50

Corresponding numbers, Yale S120, Corbin 109.

One dozen in a box.

Above locks can be supplied to order, sloping desk.

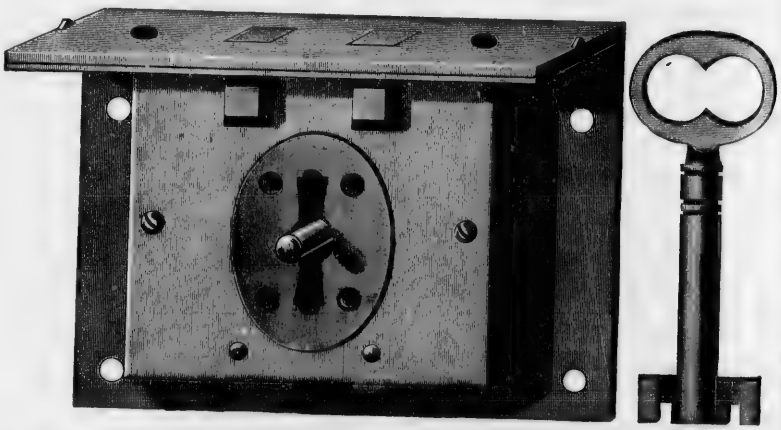
## IRON CHEST LOCKS



No. **202**—4 inch, IRON, double link, 2 secure levers, screwed, fine flat bow keys, all different in a dozen. Per dozen $3.0

Corresponding numbers, Yale 877, Corbin 72.

One dozen in a box.

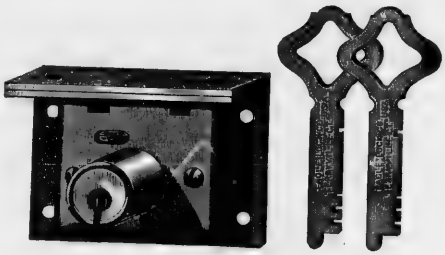


No. **9**—4 inch, IRON, self-locking, double link, screwed, double bitted keys, secret wards, brass escutcheons, all different in a dozen ..... Per dozen $6.5

Corresponding numbers, Yale 886, Corbin 85.

One dozen in a box.

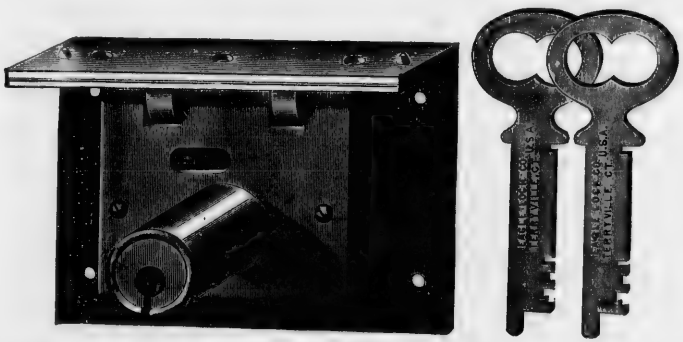
## BRASS CHEST LOCKS



No. **6088**—1¾ inch (all brass), square selvedge, solid square box, screwed, 3 secure levers, double link, 2 nickel-plated flat steel keys each, all different in a dozen, ¾ inch from selvedge to centre of key cylinder. ..... Per dozen $ 7.50

Corresponding numbers, Yale SA151, Corbin, 0141.

One dozen in a box.

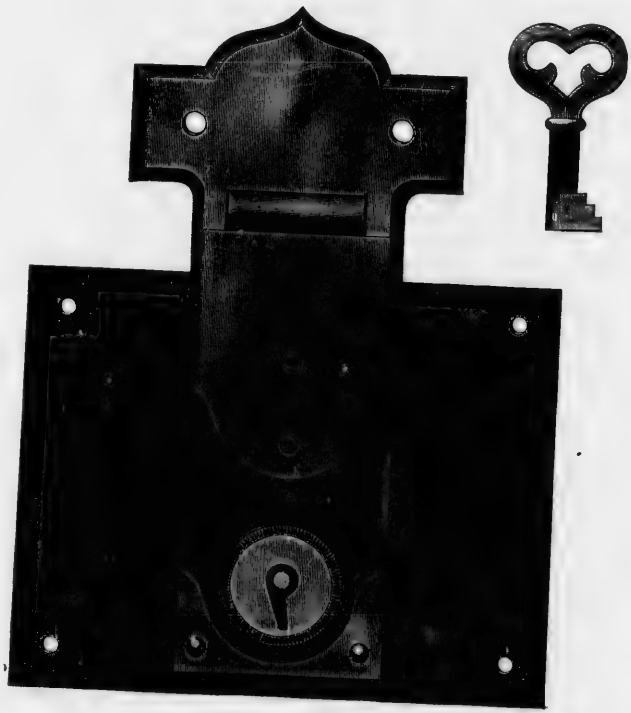


No. **6070**—3 inch (all brass), square selvedge, solid square box, screwed, 4 secure levers, double link, 2 nickel-plated flat steel keys each, all different in a dozen, 1½ inch from selvedge to centre of key cylinder..... Per dozen $14.00

Corresponding numbers, Yale SA155, Corbin 0145.

Half dozen in a box.

## IRON, AND BRASS TRUNK LOCKS



No. 93—4 inch, IRON, BLACK JAPANNED, heavy stop hasp, brass escutcheon, assorted, three changes in a dozen.
Per dozen ..... $2.00

No. 94—4½ inch, BRASS POLISHED, heavy iron stop hasp and box red japanned, brass escutcheon, assorted, three changes in a dozen ..... Per dozen $3.50

One dozen in a box.

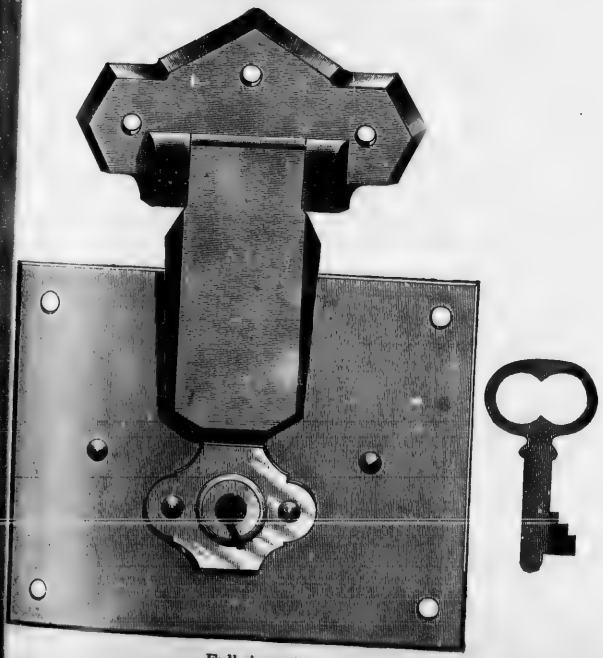
Full size cut of No. 272.

## TRUNK LOCKS

Iron, black japanned, solid spring hasp, brass escutcheon, flat steel keys.

No. **270**—3½ inch.... .Per dozen $1.25
No. **272**—3½ inch .....Per dozen 1.50

One dozen in a box.

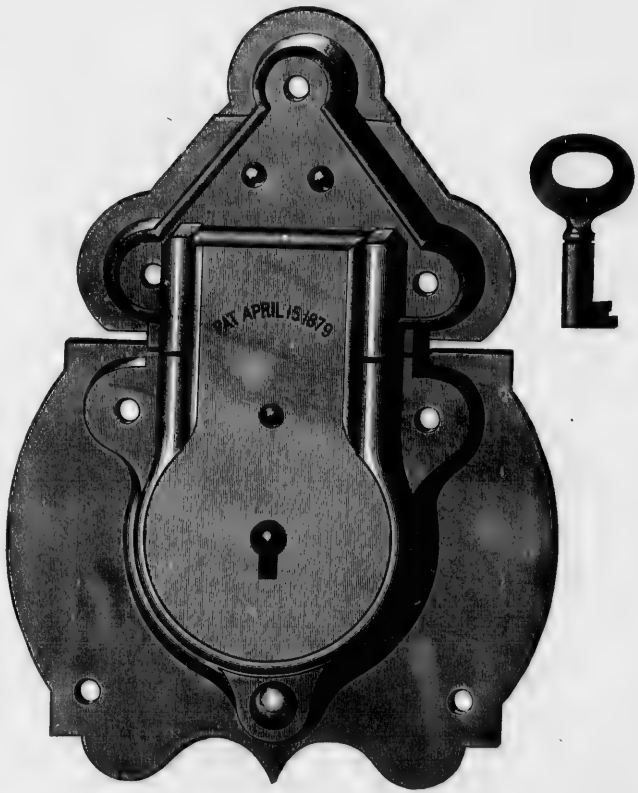


Full size cut.

No. **114½**—3½ inch, brass, polished, solid spring hasp, flat steel keys, assorted, four changes in a dozen. Per dozen..... $3.75

One dozen in a box.

## TRUNK LOCKS




No. **199**—4 inch, iron, ALL BRASS PLATED, guard cup, flat bow keys ..... Per dozen $4.50

One dozen in a box.

Nos. **1480**
Per doz. $0.50

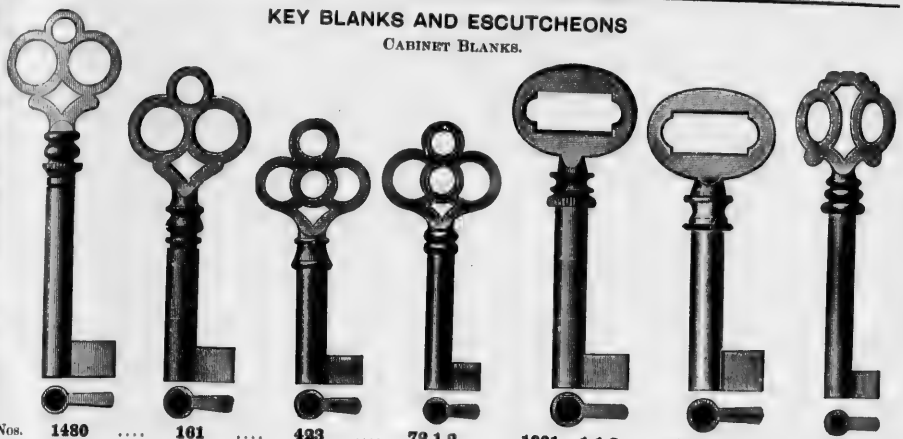
Nos. **99 1-2** ST.
Per doz. $0.25

Nos. **133** ST. ...
Per doz. $0.25 ...

No.
**334 337**—For drav
**338 344**—For ches
**379 383**—For drav
**384 389**—For ches
**414 417**—For padl
Chest lock keys—
assorted ...

## KEY BLANKS AND ESCUTCHEONS

### Cabinet Blanks.



| Nos. | 1480 | 161 | 423 | 72 1-2 | 1001 x 1 1-2 | 1001 x 1 1-4 | 4470 |
|---|---|---|---|---|---|---|---|
| Per doz. | $0.50 | .25 | .20 | .15 | .35 | .35 | .20 |

### Trunk Blanks.

| Nos. | 99 1-2 St. | 99 1-2 Rt. | 99 1-2 Lt. | 270 |
|---|---|---|---|---|
| Per doz. | $0.25 | .25 | .25 | .25 |

### Cabinet Blanks

| Nos. | 6068 x 1 1-2 | 905 |
|---|---|---|
| Per doz. | $1.50 | 1.00 |

| Nos. | 133 St. | 133 Rt. | 133 Lt. | 277 |
|---|---|---|---|---|
| Per doz. | $0.25 | .25 | .25 | .25 |

### Escutcheons.

| Nos. | 35 | 48 | 72 |
|---|---|---|---|
| Per gro. | $1.75 | 1.75 | 1.75 |

## English Cabinet and Padlock Keys and Blanks

| No. | | Per gross |
|---|---|---|
| 334 337 | For drawer and box locks, assorted | $4.50 |
| 338 344 | For chest and cupboard locks, assorted | 6.00 |
| 379 383 | For drawer and box locks, assorted | 4.50 |
| 384 389 | For chest locks, assorted | 6.50 |
| 414 417 | For padlocks, assorted | 7.50 |
| Chest lock keys | for chest locks 3½ to 4 inch, assorted | 9.50 |

| | Per gross |
|---|---|
| Trunk lock keys—for trunk locks, 3, 3½ and 4 inch, assorted | $5.75 |
| Till lock blanks, small to medium, assorted | 5.50 |
| No. 365—Blanks for cupboard locks | 9.00 |
| No. 412—Blanks for cupboard locks | 11.00 |
| Padlock blanks, small to medium, assorted | 7.00 |
| Padlock blanks, medium to large, assorted | 7.25 |

## JAPANNED PADLOCKS

No. 1385

JAPANNED.

No. **1385**—2½ inch.....Per dozen $2.65

No. 013

JAPANNED.

No. **013**—2½ inch, 1 key.....Per dozen $3.00
No. **013**—2½ inch, 2 keyed.....Per dozen 3.60
No. **14759**—2½ inch, 2 keyed.....Per dozen 2.00

No. 1509

JAPANNED.

No. **3579**—2½ inch.....Per dozen $0.70
No. **1705**—2½ inch.....Per dozen 1.25
No. **1509**—2½ inch.....Per dozen 1.85
No. **1497**—2½ inch, 2 keyed.....Per dozen 2.50

GALVANIZED.

No. **1509**—2½ inch, 2 keyed.....Per dozen 2.75

No. 1418

JAPANNED.

No. **14756**—2½ inch.....Per dozen $0.75
No. **1418**—2½ inch.....Per dozen 1.70

No. 2043

JAPANNED.

No. **2043**—2½ inch, keys all different....Per dozen $2.70
No. **2043**—2½ inch, 2 keyed, all different, Per dozen 3.30
No. **1521**—2½ inch, 2 keyed.....Per dozen 2.10

No. 13421

JAPANNED.

No. **13421**—2½ inch, 2 keyed.....Per dozen $3.15

One dozen in a box.

## JAPANNED PADLOCKS

No. 14777—Japanned, 2-keyed.

No. 1510—Japanned.

No. **13359**—2½ inch .....Per dozen $3.40
No. **14777**—2¾ inch, all different.....Per dozen 5.50

No. **1510**—2½ inch.... .... .....Per dozen $3.00

One dozen in a box.

### Japanned Padlocks

No. 5176—Patent.

No. **5176**—2½ inch.....Per dozen $3.30

One dozen in a box.

### Automatic Steel Padlocks

No 76—2-keyed. Full size cut.

No. **76**—Steel, dark finish .....Per dozen $3.50

Half-dozen in a box.

## WROUGHT IRON TUMBLER PADLOCKS

Full size cut of No. 122.

No. **122**—2 inch, wrought case, self-locking spring shackle, brass bushing, revolving key pin, flat steel key, brass bushing on back, 4 changes, 1 key.....Per dozen $1.85

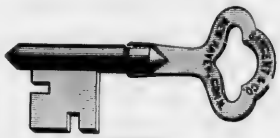
One dozen in a box.

## FANCY BRONZE SCANDINAVIAN PADLOCKS

4 tumblers, steel keys, six changes, bright raised figures on a black embossed ground work.

No. **99**—Weight, ¾ lb., 2-keyed.....$5.00 per dozen
No. **999**—Weight, ¾ lb., 2-keyed..... 7.00 per dozen

Half dozen in a box.



Full size cut of No. 356.

Full size cut of No. 307.

No. **356**—2½ inch, brass drop and bushing, solid brass wheel, bridge ward, nickel-plated patent steel key, brass bushing on back, 6 changes, 1 key.....Per dozen $3.25

No. **307**—2½ inch, engraved drop, brass bushing, wheel and bridge wards, nickel-plated patent steel key, brass bushing on back, 6 changes.....{1 key, Per dozen $3.00 / 2 keys, Per dozen 3.75

Half dozen in a box.

## WROUGHT IRON TUMBLER PADLOCKS

Full size cut of No. 407.

No. **407**—2½ inch, engraved drop, brass bushing, wheel, side and bridge wards, revolving key pin, fancy wide bit flat steel key, brass bushing on back, 12 changes, 2 keys..... .....Per dozen $4.25

Half dozen in a box.

Full size cut of No. 203.

Full size cut of No. 215.

No. **203**—2½ inch, brass bushing, cylinder key, 2 changes, 1 key..... .....Per dozen $1.60

No. **215**—2½ inch, brass drop and bushing, wheel ward, revolving key pin, flat steel key, brass bushing on back, 6 changes..... ..... .....{1 key, Per dozen $2 50 / 2 keys, Per dozen $3.00

No. 203, one dozen in a box. No. 215, half dozen in a box.

## MAROON, SCANDINAVIAN OR JAIL PAD LOCKS.

Full Size Cut of No. 1011.

**Self-Locking,**

**Secured Spring Shackle.**

No. **1011** With 2 Flat Malleable Keys and Steel Tumblers.
Price.....Per Dozen, $1.65

Full Size Cut of No. 1012.

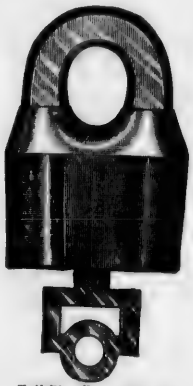
No. **1012.** With 2 Flat Malleable Keys and Steel Tumblers.
Price.....Per Dozen, $2.10

Full Size Cut of 1013.

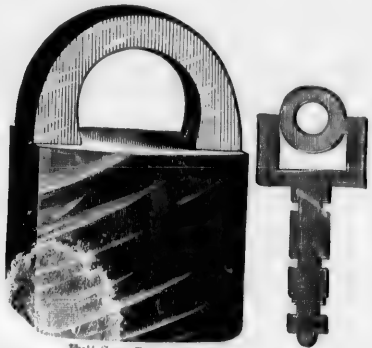
No. **1013.** With 2 Flat Malleable Keys and Steel Tumblers.
Price.....Per Dozen, $2.50

HALF DOZEN IN A BOX.

## PADLOCKS.



Full Size Cut of No. 610.



Full Size Cut of No. 503.

No. **610.** Bronze Metal, with Brass Tumblers, Recessed Shackle, 2 Flat Steel Keys. Price.....Per Dozen, $7.50

No. **503.** Bower-Barff Case, Polished Shackle, Bronze Tumbler, 2 Flat Keys, Keyed all different in a Dozen.....Per Dozen, 5.00

Full Size Cut of No. 303.

Full Size Cut of No. 888.

No. **303.** Aluminum Bronze, Highly Finished, Keyed all different in a Dozen, 2 Flat Keys.....Per Dozen, $3.50

No. **888.** Gun Metal, Highly Finished, Keyed all Different in a Dozen, 2 Flat Keys. Price.....Per Dozen, 7.50

HALF DOZEN IN A BOX.

## EUREKA PADLOCKS

BRASS AND IRON.

⅝ inch.

No. **4014**—Brass, self-locking, spring shackle, flat steel keys ..... Per dozen $2.25

1 inch.

Self-locking, spring shackle, flat steel keys.

IRON BLACK JAPANNED.

No. **4015**..... Per dozen $1.20

BRASS POLISHED.

No. **4016**—Assorted, 4 changes in a dozen, Per dozen 2.25

1¼ inch.

Self-locking spring shackle, flat steel keys.

IRON BLACK JAPANNED.

No. **4017**..... Per dozen $1.25

BRASS POLISHED.

No. **4018**—Assorted, 5 changes in a dozen, Per dozen 2.50

1½ inch.

Self-locking, spring shackle, flat steel keys.

IRON BLACK JAPANNED.

No. **4019**..... Per dozen $1.35

BRASS POLISHED.

No. **4020**—Assorted, 6 changes in a dozen, Per dozen 3.00

One dozen in a box.

No. **4021**—1¾ inch, s

No. **4022**—1¾ inch se

No. **4023**—2 inch, self-l

No. **4024**—2 inch, self-l

## EUREKA PADLOCKS

BRASS AND IRON.

No. **4021**—1¾ inch, self-locking, spring shackle, flat steel keys, iron black japanned ..... Per dozen **$1.50**

No. **4022**—1¾ inch self-locking, spring shackle, flat steel keys, brass polished ..... Per dozen **3.50**

No. **4023**—2 inch, self-locking, spring shackle, flat steel keys, iron black japanned..... Per dozen **$2.00**

No. **4024**—2 inch, self-locking, spring shackle, flat steel keys, brass polished ..... Per dozen **4.00**

One dozen in a box.

## SECURE LEVER PADLOCKS

BRASS AND IRON.

Secure levers, self-locking, spring shackle, 2 flat steel keys, all different in a dozen.

IRON BLACK JAPANNED.

No. **4047**—1 inch, 3 secure levers.....Per dozen $3.00

BRASS POLISHED AND BUFFED.

No. **04047**—1 inch, 3 secure levers .....Per dozen 5.00

IRON BLACK JAPANNED.

No. **4048**—1¼ inch, 3 secure levers.... ...Per dozen $3.25

BRASS POLISHED AND BUFFED.

No. **04048**—1¼ inch, 3 secure levers .....Per dozen 5.50

Secure levers, self-locking, spring shackle, 2 flat steel keys, all different in a dozen.

IRON BLACK JAPANNED.

No. **4049**—1½ inch, 3 secure levers.....Per dozen $3.50

BRASS POLISHED AND BUFFED.

No. **04049**—1½ inch, 3 secure levers .....Per dozen 6.00

IRON BLACK JAPANNED.

No. **4044**—1¾ inch, 2 secure levers.....Per dozen $3.50

BRASS PLAIN FINISH.

No. **04043**—1¾ inch, 2 secure levers .....Per dozen 5.00

One dozen in a box.

## FOUR LEVER AUTOMATIC PADLOCKS.

Full Size Cut of Nos. 406 and 407.

No. **406** x **2** Keys, Steel, Dark Finish, Weight **4** Ounces.....Per Dozen, **$7.20**
No. **407** x **2** Keys, Brass, Bright Finish, Weight **4** Ounces.....Per Dozen, **8.50**

## Six Lever, Champion, Gun Metal Padlocks.

Full Size Cut of No. 1.

**No. 1 x 2** Nickel Plated Steel Keys, **2 1-4** Inch, Phosphor Bronze Springs, Weight **8** Ounces.....Per Dozen, **$12.00**
No. **10**—As No. 1, with chain .....Per Dozen, 11.25
No. **20**—As No. 1, but plated .....Per Dozen, 15.00

Half Dozen in a Box.

## BICYCLE OR BAGGAGE PADLOCKS

Full size cut.

No. **4047C**—1 inch, iron black japanned, self-locking, spring shackle, 3 secure levers, 2 flat steel keys each, all different in a dozen, length of chain, 12 inches..... Per dozen $4 00

One dozen in a box.

Full size cut.

Gun metal, bronze alloy, made on same principle as a railroad switch lock.

No. **718**—Gunmetal bolts, tumblers and key guide, cast gun metal keys, polished 16 inch cut steel chains, nickel-plated..... Per dozen $5.50

One dozen in a box.

No. KS 4-J.

No. KS **4-J**—1 x 1¼ inch, secure lever padlock, 2 flat steel keys, self-locking brass spring shackle, steel, black enamelled, 2 tumblers..... Per dozen $4 00

One dozen in a box.

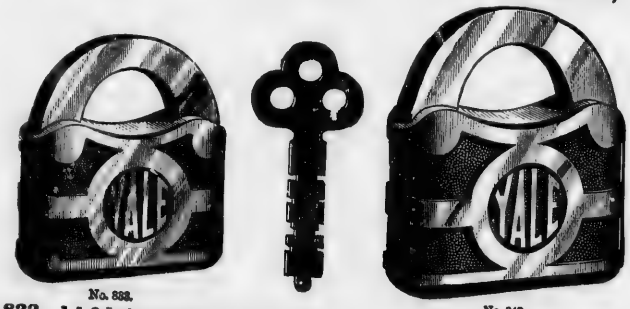
## YALE BRONZE METAL SPRING PADLOCKS.

**With Two Nickel Plated Flat Steel Keys Each.**

**Full Size Cuts.**

No. 813. No. 823.

**No. 813.** 1 Inch, 3 Brass Tumblers, 54 Changes.....Per Dozen, $13.50
**No. 823.** 1 1-4 Inch, 3 Brass Tumblers, 54 Changes.....Per Dozen, 16.00




No. 833. No. 843.

**No. 833.** 1 1-2 Inch, 3 Brass Tumblers, 54 Changes.....Per Dozen, $18.00
**No. 843.** 1 3-4 Inch, 4 Brass Tumblers, 82 Changes.....Per Dozen, 20.50

No. 853. No. 863.

**No. 853.** 2 Inch, 4 Brass Tumblers, 144 Changes.....Per Dozen, $22.00
**No. 8053.** 2 Inch, WITH GALVANIZED CHAIN, 4 Brass Tumblers, 144 Changes..Per Dozen, 24.50
**No. 863.** 2 1-4 Inch, 4 Brass Tumblers, 144 Changes.....Per Dozen, 24.00

HALF DOZEN IN A BOX WITHOUT CHAIN QUARTER DOZEN WITH CHAIN.

## YALE BOWER-BARFFED PADLOCKS

No. 805, Iron.

Cuts half size.

No. 8454, Steel.

No. **805**—2 inch, IRON, 24 keyed, Yale flat steel keys, Bower-Barff finish, bronze shackle, four pin tumblers. Per dozen ..... $9.50

One dozen in a box.

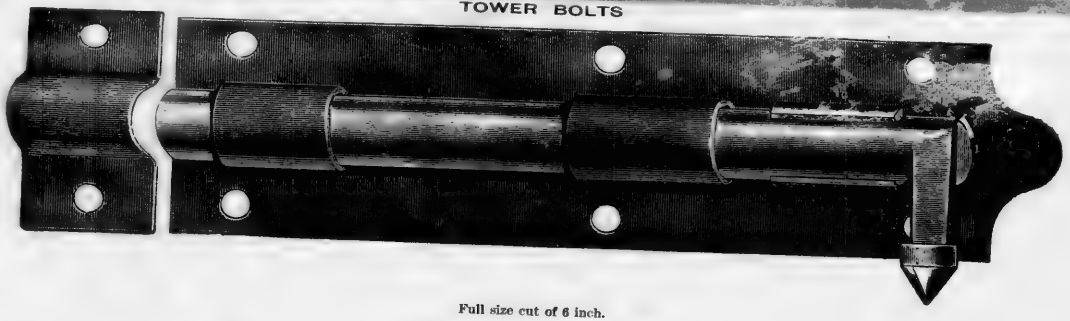
No. **8454**—2 inch, STEEL SHELL, 24 keyed, nickel-plated flat steel keys, bronze locking mechanism, steel shackle, four tumblers ..... Per dozen $15.00

Half dozen in a box.

## RAILWAY SWITCH LOCK

Full size.

No. **039**—2½ inch, all bronze metal, self locking, bronze metal key, automatic spring drop escutcheon, steel chain. Per dozen ..... $17.25

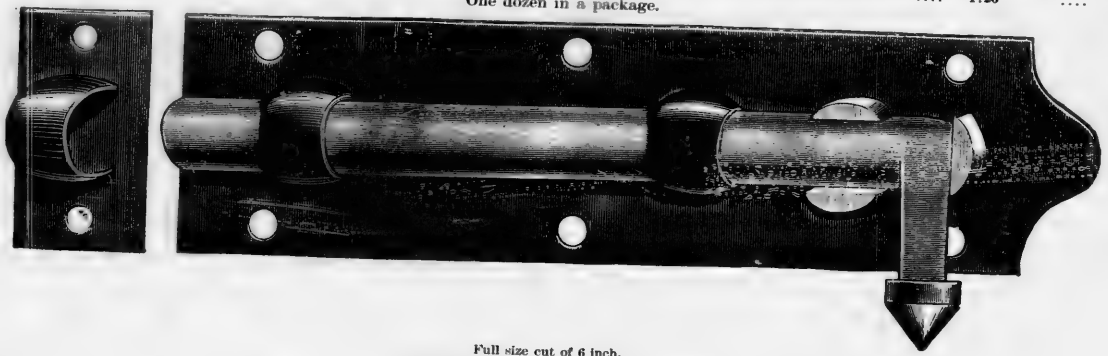


Full size cut of 6 inch.

Bright solid end tower bolts.—No. 9

| Size | 3 inch | 4 inch | 5 inch | 6 inch | 7 inch | 8 inch | 9 inch |
|---|---|---|---|---|---|---|---|
| Per dozen | $0.45 | .65 | .80 | .95 | 1.10 | 1.20 | 1.35 |

One dozen in a package.



Full size cut of 6 inch.

Bright solid end tower bolts.—No. 100

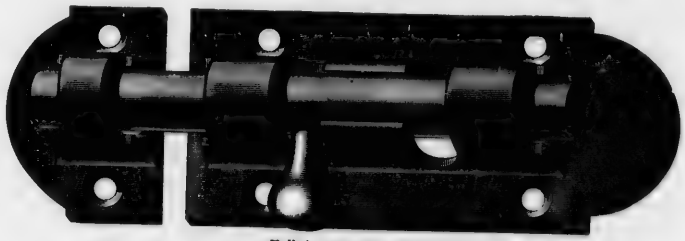
| Size | 4 inch | 5 inch | 6 inch | 7 inch | 8 inch | 9 inch |
|---|---|---|---|---|---|---|
| Per dozen | $ 1.00 | 1.20 | 1.50 | 1.75 | 1.95 | 2.20 |

Lacquered Barrel Bolts.—No. 15

| Size | 2½ inch | 3 inch | 4 inch |
|---|---|---|---|
| Per dozen | $ 0.90 | .90 | 1.10 |

One dozen in a package.

## BARREL BOLTS



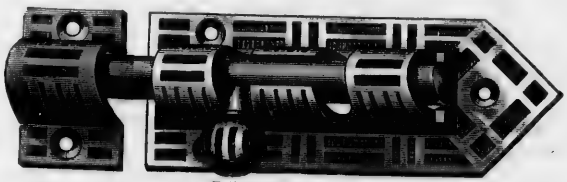
Full size cut of 4 inch.

No. **362**—Brass knob, polished bolt.

| Size | 3 inch. | 4 inch. | 5 inch. | 6 inch |
|---|---|---|---|---|
| Per dozen | $0.60 | .75 | .90 | 1.10 |

The 3 inch have a wrought bolt.

One dozen in a box.



Full size cut of 3 inch.

Wrought bolt, bronze metal knob.

No. **1045**—Berlin bronze.

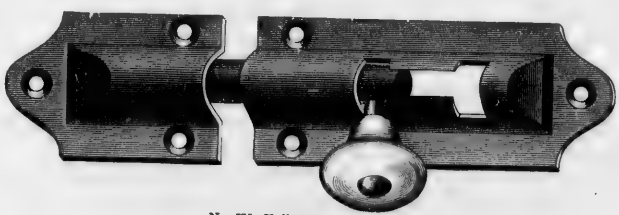
| Size | 3 inch. | 4 inch. | 5 inch. |
|---|---|---|---|
| Per dozen | $1.40 | 1.60 | 1.80 |

No. **1046**—Bronze plated, No. 10 finish.

| Size | 3 inch. | 4 inch. | 5 inch. |
|---|---|---|---|
| Per dozen | $2.40 | 2.60 | 2.80 |

One dozen in a box.

## Cast Brass Barrel Bolts



No. 575—Full size cut of 2½ inch.

Polished and lacquered, wrought iron bolt.

No. **570**—3 inch, brass knob ..... Per dozen $2.20

No. **575**—2½ inch, porcelain knob ..... Per dozen 3.00

One dozen in a box.

## SQUARE CASED BOLTS

PETERBOROUGH LOCK MFG. CO.

Full size cut of 4 inch.

Bronze metal knob, packed with screws.

No. **1040**—4 inch, Berlin bronze ..... Per dozen $3.00
No. **1041**—4 inch, No. 10 finish ..... Per dozen 5.00
No. **1042**—4 inch, real bronze ..... Per dozen 8.00

One dozen in a box.

Full size cut of 3 inch.

Plain bronze metal, packed with screws.

No. **040**—3 inch, highly polished plain bronze ..... Per dozen $6.50

Half dozen in a box.

## Flat Spring Bolts

No. **15259**—Wrought Iron, Polished.

| Inch | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|
| Per dozen | $0.30 | .35 | .38 | .45 | .60 |

No. **5924**—Wrought Brass, Polished.

| Inch | 2 | 3 | 4 |
|---|---|---|---|
| Per dozen | $0.75 | 1.15 | 1.80 |

One dozen in a package.

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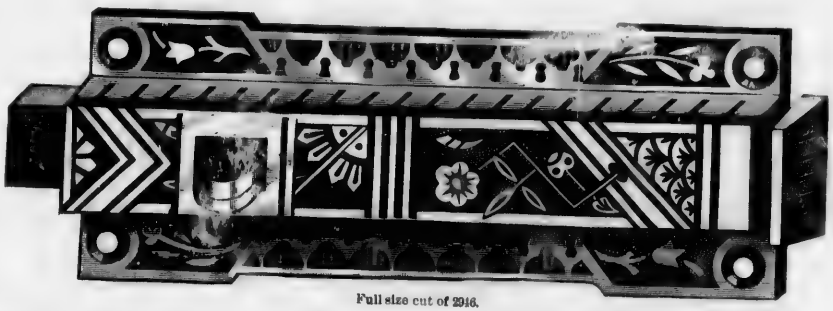
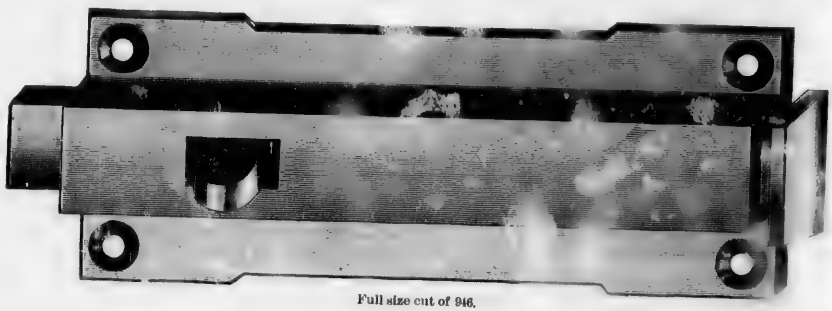
PETERBOROUGH LOCK MFG. CO.



Full size cut of 2946.

| | | |
|---|---|---|
| No. **2946**—6 inch, real bronze | Per dozen | $12.00 |
| No. **3946**—6 inch, Berlin bronze | Per dozen | 8.00 |
| No. **4946**—6 inch, bronze plated, or (No. 10 finish) | Per dozen | 3.50 |
| No. **2948**—8 inch, real bronze | Per dozen | 6.00 |
| No. **3948**—8 inch, Berlin bronze | Per dozen | 14.00 |
| No. **4948**—8 inch, bronze plated, or (No. 10 finish) | Per dozen | 4.00 |
| | Per dozen | 7.00 |

Half dozen in a box.



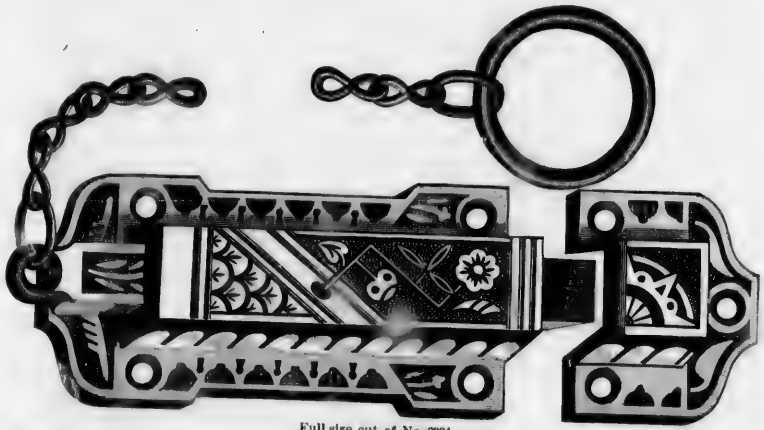
Full size cut of 946.

| | | |
|---|---|---|
| No. **944**—4 inch, highly polished plain bronze | Per dozen | $11.00 |
| No. **946**—6 inch, highly polished plain bronze | Per dozen | 13.00 |

Packed with screws. Half dozen in a box.

## CHAIN BOLTS

PETERBOROUGH LOCK MFG. CO.



Full size cut of No. 2934.

No. **2933**—3 inch, real bronze.....Per dozen $8.00
No. **3933**—3 inch, Berlin bronze.....Per dozen 3.00
No. **4933**—3 inch, bronze plated, or (No. 10 finish).....Per dozen 5.00
No. **2934**—4 inch, real bronze.....Per dozen 9.00
No. **3934**—4 inch, Berlin bronze.....Per dozen 3.20
No. **4934**—4 inch, bronze plated, or (No. 10 finish).....Per dozen 5.50

Half dozen in a box.

Full size cut of No. 934.

No. **934**—4 inch, highly polished, plain bronze.....per dozen $9.00

Packed with screws. Half dozen in a box.

## CHAIN BOLTS

PETERBOROUGH LOCK MFG. CO.

Full size cut of No. 2936.

**6 inch.**

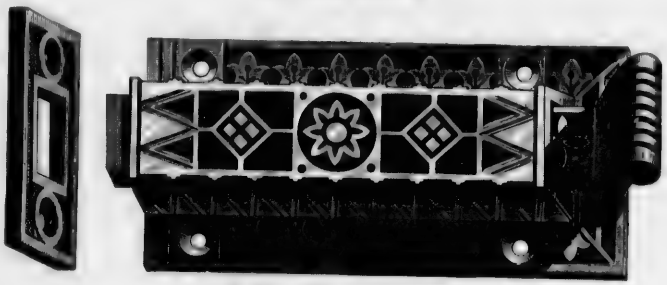
| Nos. | Per dozen |
|---|---|
| **2936**—Real bronze | $12.00 |
| **3936**—Berlin bronze | 3.50 |
| **4936**—Bronze plated, or (No. 10 finish) | 6.00 |

**8 inch.**

| Nos. | Per dozen |
|---|---|
| **2938**—Real bronze | $14.00 |
| **3938**—Berlin bronze | 4.00 |
| **4938**—Bronze plated, or (No. 10 finish) | 7.00 |

Packed with screws. Half dozen in a box.

## BOTTOM BOLTS



No. 1400A. Full size cut of 3 inch.

Berlin bronzed. Packed with screws.

No. **1400**A.

| Inch | **3** | | **4** | | **6** |
|---|---|---|---|---|---|
| Per dozen | $1.70 | | $1.90 | | $2.65 |

3 and 4 inch, one dozen in a box; 6 inch, half dozen.

## Cast Brass Flush Bolts

Polished and lacquered. Sunk thumb piece.

No. 30. Full size cut of ½ inch. Style of No. 40.

**No. 30. Width ⅝ inch.**

| Inch | **2½** | | **3** |
|---|---|---|---|
| Per dozen | $0.65 | | .80 |

Three dozen in a box.

**No. 40. Width ¼ inch.**

| Inch | **4** | | **5** |
|---|---|---|---|
| Per dozen | $1.20 | | 1.45 |

Two dozen in a box.

No. 60. Full size cut of 4 inch. Style of No. 60.

With Strike Plates.

**No. 50. Width ⅝ inch.**

| Inch | **6** | | **8** |
|---|---|---|---|
| Per dozen | $2.50 | | 3.60 |

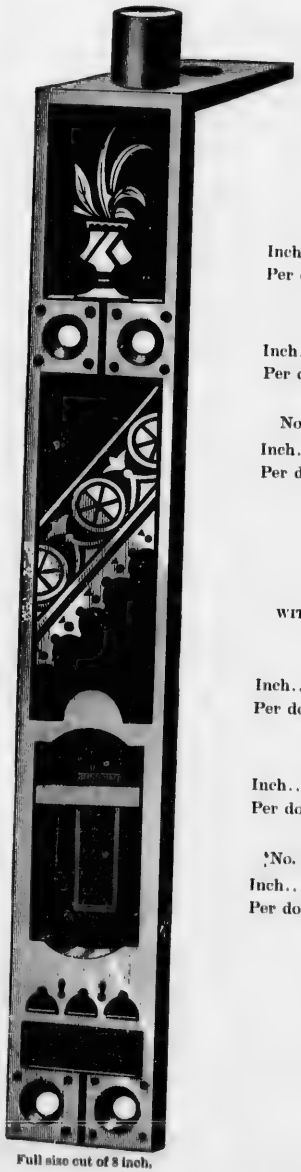
**No. 60. Width ⅝ inch.**

| Inch | **8** | | **10** | | **12** |
|---|---|---|---|---|---|
| Per dozen | $3.90 | | 5.25 | | 6.25 |

One dozen in a box.

## FLUSH BOLTS

PETERBOROUGH LOCK MFG. CO.



Full size cut of 8 inch.

WITH SUNK THUMB PIECE.

No. **700**—Real Bronze.

| Inch.... | 1½ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $8.00 | 9.50 | 13.00 | 17.00 | 22.00 |

No. **701**—Berlin Bronzed.

| Inch.... | 1⅛ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $2.80 | 3.30 | 3.80 | 5.00 | 7.50 |

No. **702**—No. 10 Finish, Bronze Plated.

| Inch.... | 1⅛ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $3.20 | 3.80 | 4.80 | 6.20 | 9.00 |

Half dozen in a box.

WITH REAL BRONZE KNOB AND PLATE.

No. **703**—Real Bronze.

| Inch.... | 1⅛ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $10.00 | 11.50 | 15.00 | 19.00 | 24.00 |

No. **704**—Berlin Bronzed.

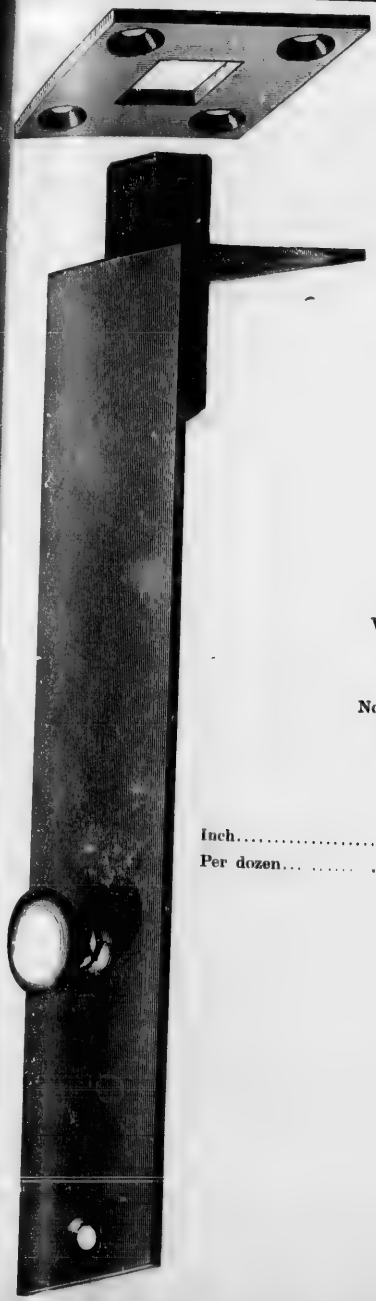
| Inch.... | 1⅛ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $4.00 | 4.50 | 5.50 | 7.00 | 10.00 |

No. **705**—No. 10 Finish, Bronze Plated.

| Inch.... | 1⅛ x 6 | 8 | 12 | 18 | 24 |
|---|---|---|---|---|---|
| Per dozen | $4.70 | 5.50 | 6.50 | 8.00 | 11.00 |

Half dozen in a box.

Full size cut of 8 inch.



## FLUSH BOLTS

WROUGHT IRON FLUSH BOLTS, BRASS KNOB

No. **152**—Plate 1¼ inch wide, ¼ inch square bolt.

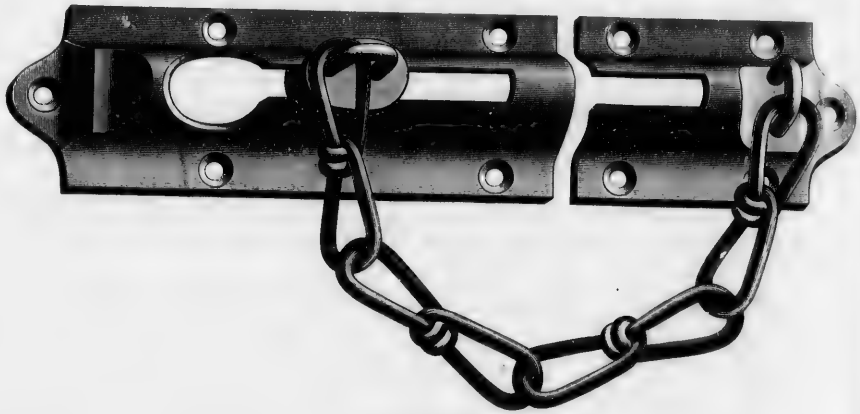
Flat strike plate. 1½ inch projection.

| Inch | 6 | 8 | 12 |
|---|---|---|---|
| Per dozen | $3.00 | 3.60 | 4.25 |

Half dozen in a box.

## CHAIN DOOR FASTENINGS

JAPANNED.



Cut, two-thirds size.

No. **36**—6 inch, japanned chain door fastenings..... Per dozen $2.25

Half dozen in a box.

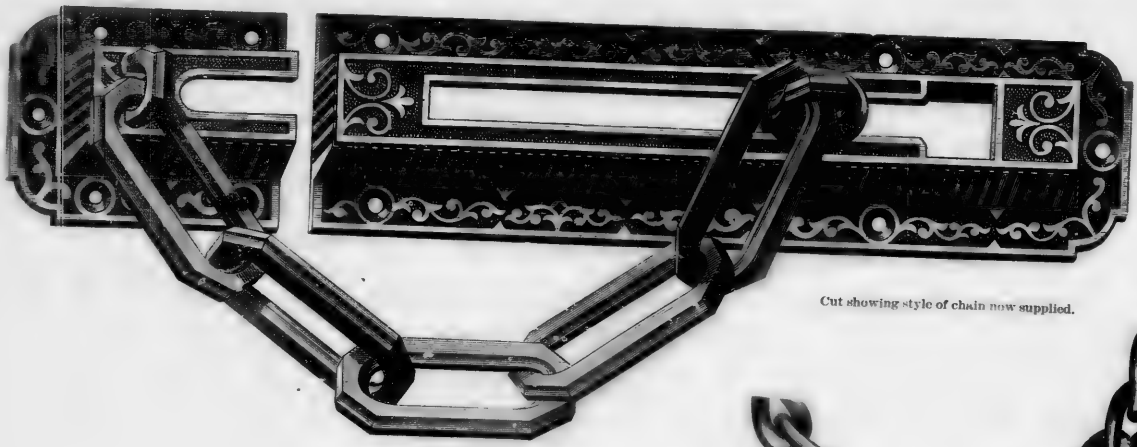
Cut, two-thirds size.

EXTRA HEAVY.

No. **46**—6 inch, extra heavy, japanned chain door fastenings..... Per dozen $2.75

Half dozen in a box.

## CHAIN DOOR FASTENINGS



Full size cut.

Cut showing style of chain now supplied.

BERLIN BRONZED.

No. 56—Berlin bronzed, packed with screws..... Per dozen $3.25

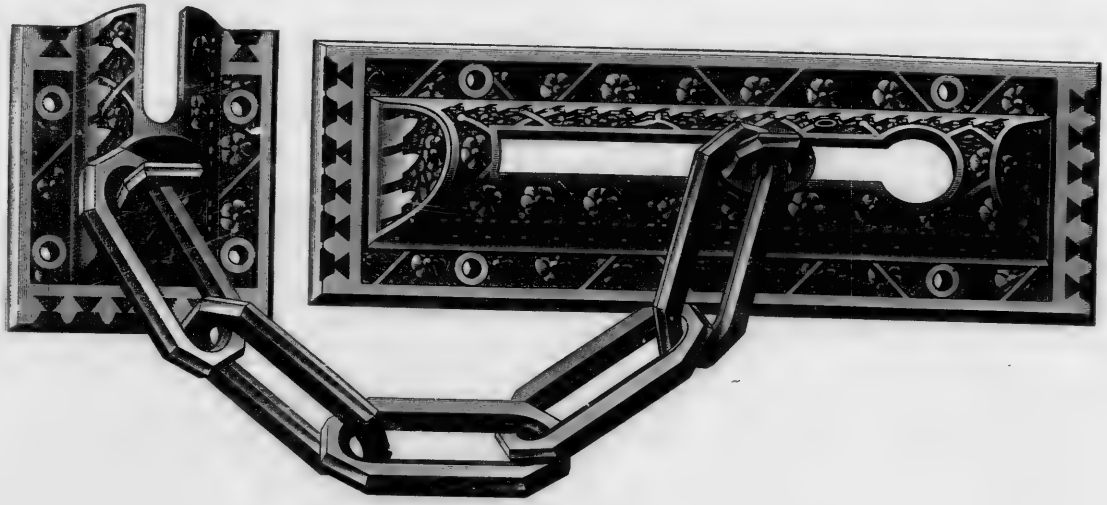
TOKIO BRONZED.

No K56—Tokio bronzed, packed with screws..... Per dozen 4.50

Half dozen in a box.

## BRONZE METAL CHAIN DOOR FASTENINGS

### EKADO DESIGN.



Full size cut of No. C 96 E.

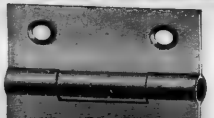
**No. C 96 E, Chocolate Finish, Bronze Metal.**

No. C 96 E, bronze metal, chocolate finish, bronze metal chain, packed with screws..... Per dozen $16.00

Half dozen in a box.

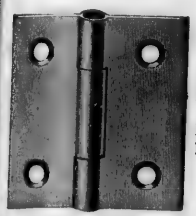
Full size cut of 2 inch

Full size cut of 2



Full size cut of

## WROUGHT STEEL BUTTS



Full size cut of 1½ in.

LIGHT NARROW, FAST JOINT.—PLANISHED.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|
| Per dozen pairs | $0.28 | .32 | .36 | .43 | .50 | .60 |
| Inch | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-2 | 4 |
| Per dozen pairs | $0.66 | .72 | .84 | .90 | 1.44 | 1.92 |

4 inch, half dozen pairs in a box; other sizes, one dozen pairs.

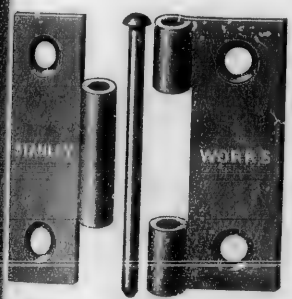
Full size cut of 2 inch.

NARROW, FAST JOINT.

| Inch | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 |
|---|---|---|---|---|---|---|---|---|
| Per dozen pairs | $0.32 | .36 | .43 | .50 | .60 | .66 | .72 | .84 |
| Inch | 3 | 3 1-4 | 3 1-2 | 3 3-4 | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
| Per dozen pairs | $0.90 | 1.08 | 1.44 | 1.68 | 1.92 | 2.70 | 3.30 | 4.30 | 5.50 |

3½ inch and smaller, one dozen pairs in a box; 3¾ inch and larger, half dozen pairs.

## Wrought Steel Loose Pin Butts




Full size cut of 2 inch light narrow.

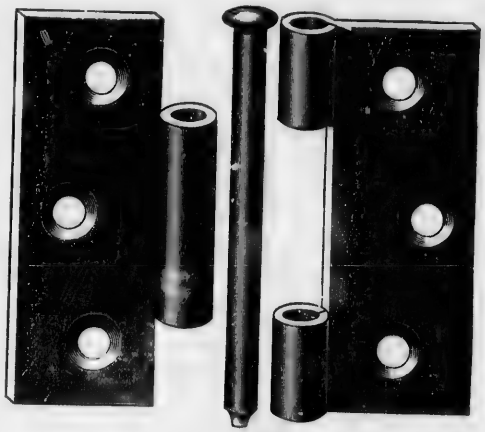
LIGHT NARROW, LOOSE PIN.—PLANISHED.

| Inch | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|
| Per dozen pairs | $0.56 | .65 | .78 | .86 | .94 | 1.10 |

Bronzed, packed with screws, $0.75 per dozen pairs extra, net.

One dozen pairs in a box.

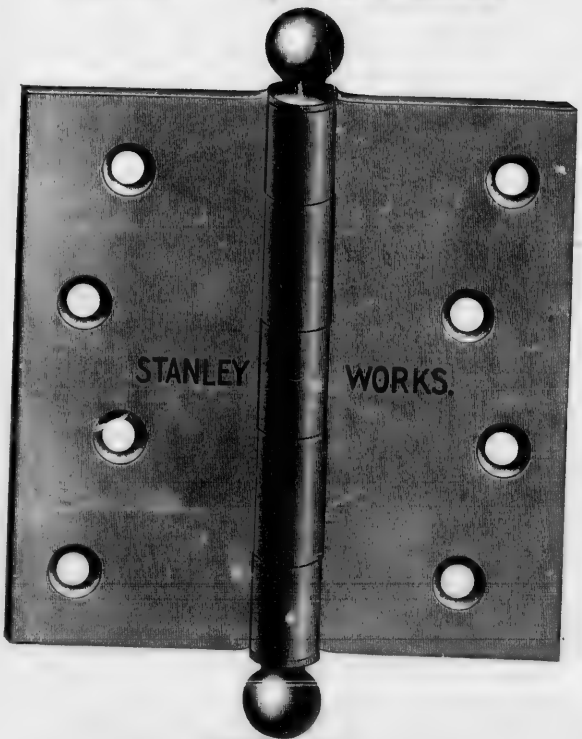
## WROUGHT STEEL REVERSIBLE BUTTS



Loose Pin.

| | | | | |
|---|---|---|---|---|
| Inch..... | 2 1-2 x 2 | 2 1-2 x 2 1-2 | 3 x 2 1-2 | |
| Per doz.. | $1.20 | 1.32 | 1.68 | |
| Inch..... | | 3 x 3 | 3 1-2 x 3 | |
| Per dozen..... | | $1.86 | 2.40 | |
| Inch..... | | 3 1-2 x 3 1-2 | 4 x 4 | |
| Per doz ..... | | $2.70 | 3.30 | |
| Inch..... | | 4 1-2 x 4 1-2 | 5 x 5 | |
| Per doz..... | | $4.25 | 5.50 | |

3 x 3½ and smaller sizes, one dozen pairs in a box; larger sizes, half a dozen.




Full size cut of 4 x 4 inch.

WROUGHT STEEL.

Loose Pin.

Polished and Bronzed.

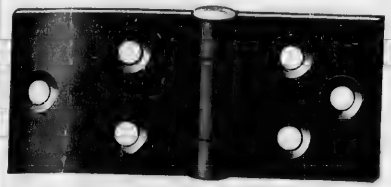
No. 241 1-2.

| | | | | |
|---|---|---|---|---|
| Inch .... | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | |
| Per pair. | $0.55 | .60 | .70 | |
| Inch .... | 4 1-2 x 4 1-2 | 5 x 5 | 6 x 6 | |
| Per pair. | $0.75 | .90 | 1.20 | |

Packed with screws.

One pair in a box.

## WROUGHT STEEL BUTTS



Full size cut of 1½ inch.

### Table Butts

| Inch | 1 | 1 1-8 | 1 1-4 | 1 3-8 |
|---|---|---|---|---|
| Per dozen pairs | $0.45 | .50 | .55 | .60 |

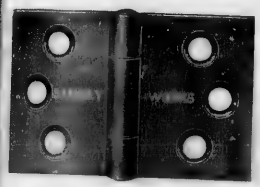
| Inch | 1 1-2 | 1 5-8 |
|---|---|---|
| Per dozen pairs | $0.65 | .70 |

Full size cut of 1½ inch.

### Back Flaps

| Inch | 1 | 1 1-8 | 1 1-4 | 1 3-8 |
|---|---|---|---|---|
| Per dozen pairs | $0.50 | .55 | .60 | .65 |

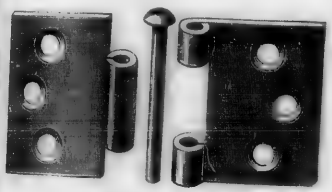
| Inch | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|
| Per dozen pairs | $0.70 | .80 | .90 |



Full size cut of 1½ inch.

### Light Inside Blind Butts

| Inch | 1 | 1 1-8 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|
| Per dozen pairs | $0.45 | .50 | .55 | .65 |



Full size cut of 1½ inch.

### Light Inside Blind, Loose Pin

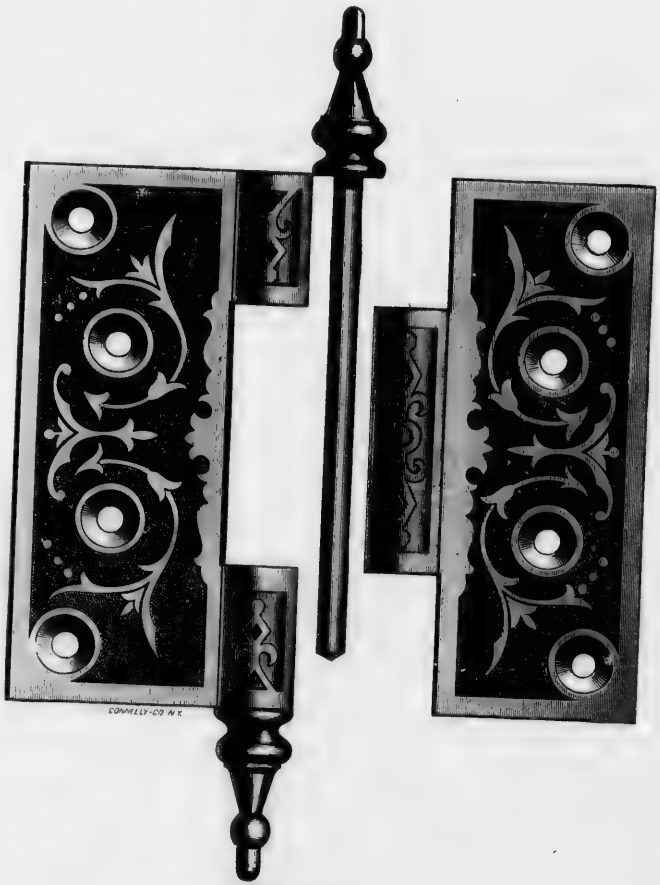
PLANISHED.

| Inch | 1 1-4 | 1 1-2 |
|---|---|---|
| Per dozen pairs | $0.75 | .85 |

Bronzed, packed with screws, $0.75 per dozen pairs extra, net.

All the above, one dozen pairs in a box.

## LOOSE PIN, ACORN BUTTS



Full size cut of 4 x 4 inch.

Either right or left hand. Drilled.

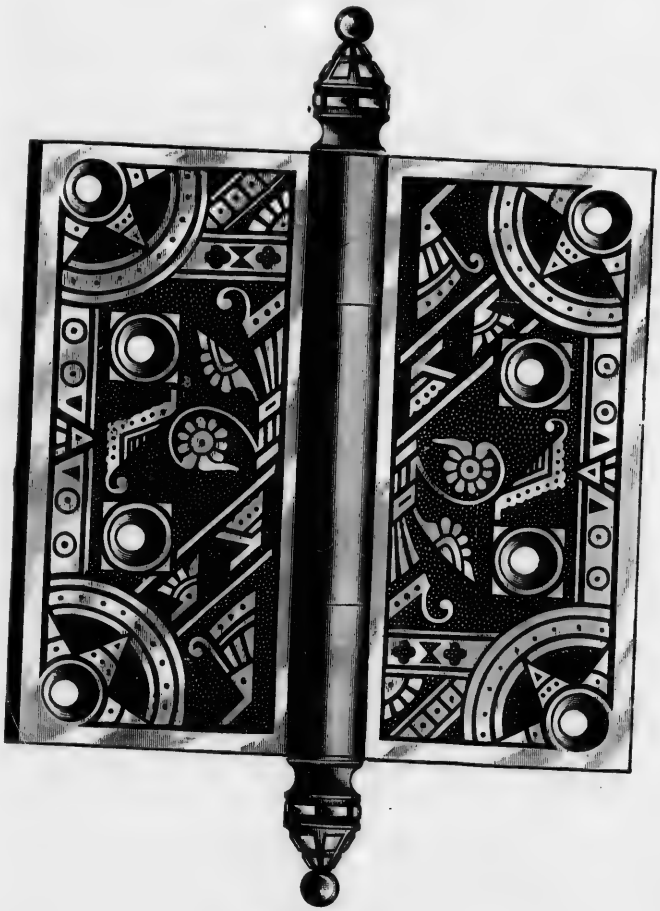
No. 1, plain, with Steeple Tips.

| Inch | 2 1-2 x 2 1-2 | 3 x 2 1-2 | 3 x 3 | 3 1-2 x 3 | 3 1-2 x 3 1-2 | 4 x 4 |
|---|---|---|---|---|---|---|
| Per dozen pairs | $1.35 | 1.60 | 1.75 | 2.15 | 2.35 | 2.90 |
| Inch | | | 4 1-2 x 4 1-2 | 5 x 5 | 6 x 6 | |
| Per dozen pairs | | | $4.00 | 5.50 | 7.60 | |

2½ x 2½ to 4 x 4, half dozen pairs in a box; 4½ x 4½ and larger, quarter dozen pairs in a box.

## LOOSE PIN, ACORN TIP BUTTS

PETERBOROUGH LOCK MFG. CO.



Full size cut 4½ x 4½.

No. **2800**—BRONZE METAL.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $1.70 | 2.00 | 2.50 | 3.20 | 3.80 | 4.50 | 5.50 |

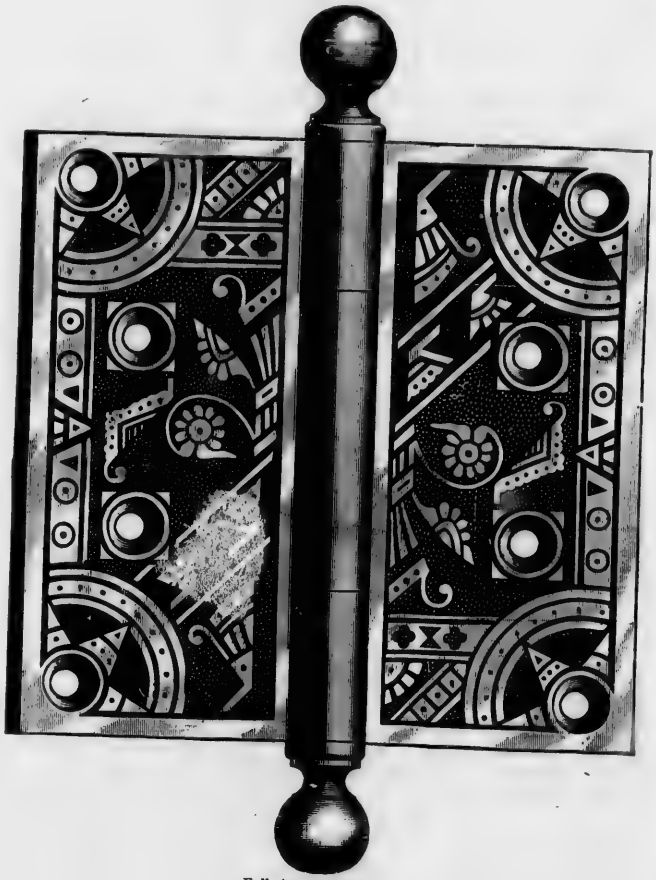
No. **4800**—BRONZE PLATED.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $0.70 | .80 | .90 | 1.00 | 1.20 | 1.40 | 1.80 |

Packed with screws. One pair in a box.

## LOOSE PIN, BALL TIP BUTTS

PETERBOROUGH LOCK MFG. CO.



Full size cut, 4½ x 4½.

### No. 2900—Bronze Metal.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $1.70 | 2.00 | 2.50 | 3.20 | 3.80 | 4.50 | 5.50 |

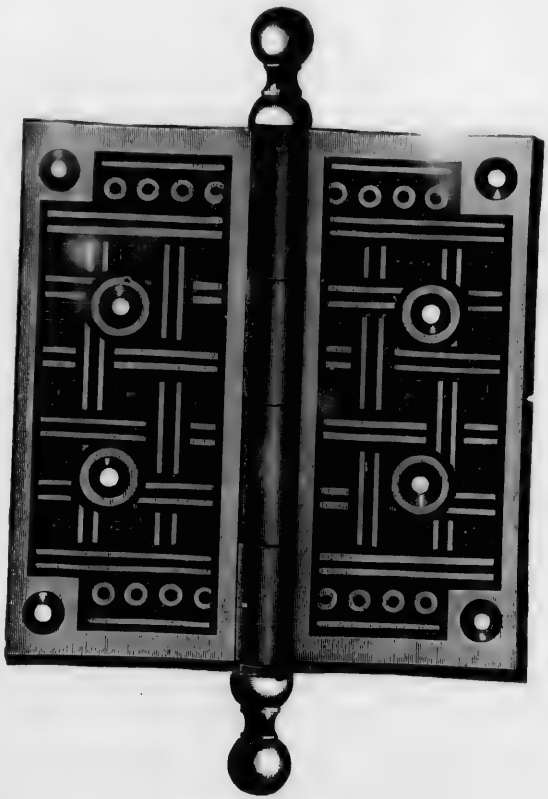
### No. 4900—Bronze Plated.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $0.70 | .80 | .90 | 1.00 | 1.20 | 1.40 | 1.80 |

Packed with screws. One pair in a box.

## LOOSE PIN, BALL TIP BUTTS

PETERBOROUGH LOCK MFG. CO.



Full size of cut of 4 x 4 inch.

No. **2802**—BRONZE METAL.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $1.70 | 2.00 | 2.50 | 3.20 | 3.80 | 4.50 | 5.50 |

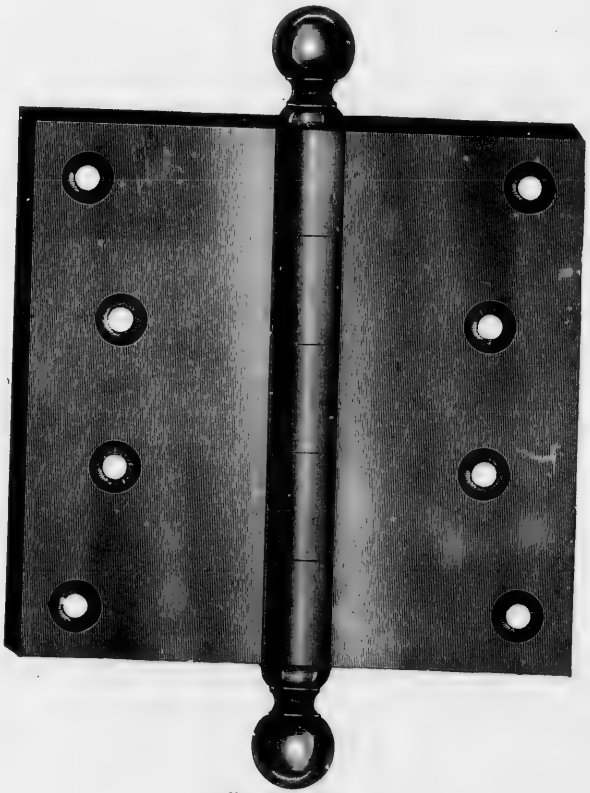
No. **4802**—BRONZE PLATED.

| Inch | 3 x 3 | 3 1-2 x 3 1-2 | 4 x 4 | 4 1-2 x 4 1-2 | 5 x 5 | 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair | $0.70 | .80 | .90 | 1.00 | 1.20 | 1.40 | 1.80 |

**Packed with screws. One pair in a box.**

## LOOSE PIN, BALL TIP BUTTS

PETERBOROUGH LOCK MFG. CO.



Full size cut, 4 x 4.

No. **801**—POLISHED BRONZE METAL.

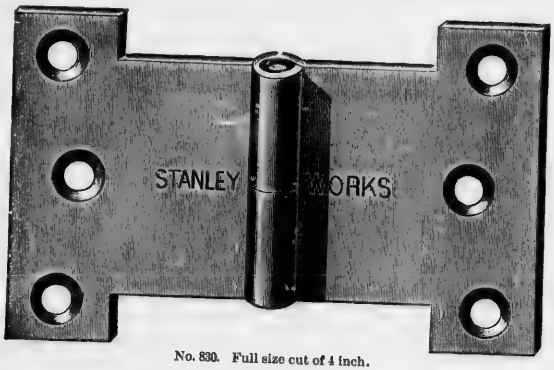
| Inch..... | 3 x 3 | .. 3 1-2 x 3 1-2 .. | 4 x 4 | .. 4 1-2 x 4 1-2 .. | 5 x 5 | .. 5 1-2 x 5 1-2 .. | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair..... | $1.90 | .. 2.10 | .. 2.60 | .. 3.40 | .. 4.00 | .. 5.00 | .. 6.00 |

No. **4810**—BRONZE PLATED.

| Inch..... | 3 x 3 | .. 3 1-2 x 3 1-2 .. | 4 x 4 | .. 4 1-2 x 4 1-2 .. | 5 x 5 | .. 5 1-2 x 5 1-2 | 6 x 6 |
|---|---|---|---|---|---|---|---|
| Per pair..... | $0.78 | .. .90 | .. 1.00 | .. 1.10 | .. 1.30 | .. 1.60 | .. 2.00 |

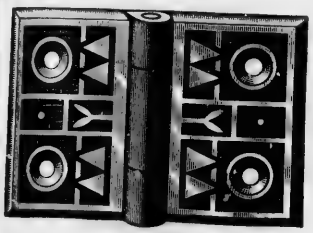
Packed with screws to match. One pair in a box.

## WROUGHT STEEL PARLIAMENT BUTTS




No. 830. Full size cut of 4 inch.

| Inch (when open) | 3 | 4 | 5 | 6 |
|---|---|---|---|---|
| Per dozen pairs | $1.10 | 1.30 | 1.50 | 1.90 |



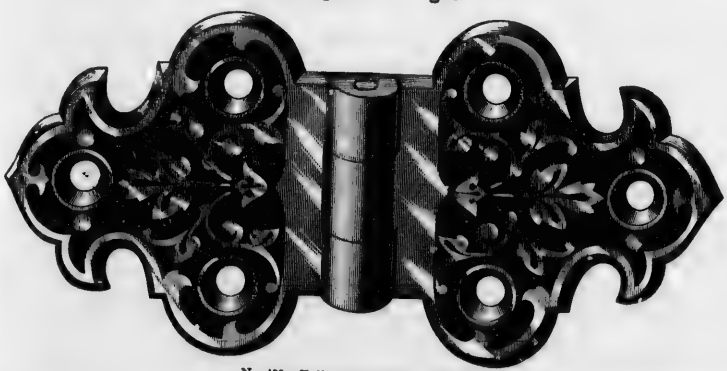
No. 415A. Full size cut of 1½ x 2½ inch.

### Inside Shutter Hinges

TOKIO BRONZED.

| | 1 1-4 x 2 in. | 1 1-2 x 2 1-4 in. |
|---|---|---|
| No. K 415 A—Tokio bronzed, packed with screws. Per dozen pairs | $2.65 | 3.75 |

### Refrigerator Hinges

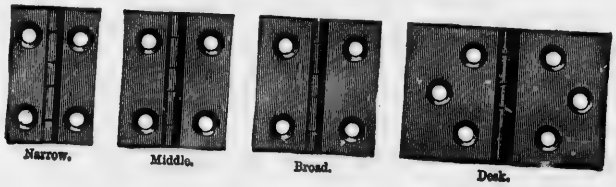


No. 400. Full size cut of 2½ x 5 inch.

No. 400—Berlin bronzed, 2½ x 5 inches, brass rivet, packed with screws ..... Per dozen pairs $ 2.85
No. 800—Bronze metal, 4 x 6 inches, brass rivet, packed with screws ..... Per dozen pairs 25.50
Half dozen pairs in a box.

## WROUGHT BRASS BUTTS.

**Full Size Cuts of One Inch.**




### Narrow, Middle, Broad and Desk Butts.

**List Prices per Dozen Pairs.**

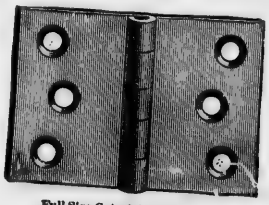
| Inches | 1-2 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 3-8 |
|---|---|---|---|---|---|---|---|
| Narrow | $0.38 | .38 | .42 | .48 | | .60 | |
| Middle | .45 | .45 | .48 | .54 | | .67 | |
| Broad | | .50 | .52 | .60 | | .80 | |
| Desk | | .60 | .72 | .87 | 1.08 | 1.27 | 1.50 |

| Inches | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 |
|---|---|---|---|---|---|---|---|
| Narrow | $0.78 | .96 | 1.23 | 1.73 | 1.92 | 2.12 | 2.80 |
| Middle | .87 | 1.10 | 1.44 | 1.80 | 2.34 | 2.85 | 3.70 |
| Broad | 1.00 | 1.30 | 1.70 | 2.20 | 2.60 | 3.09 | 4.27 |
| Desk | 1.80 | | | | | | |

One Dozen Pairs in a Box.

2 Inch and Smaller, 6 One Dozen Boxes in a Larger Box; 2¼ Inch and Larger, 3 One Dozen Boxes in a Larger Box.

### Wrought Brass Shutter Hinges.



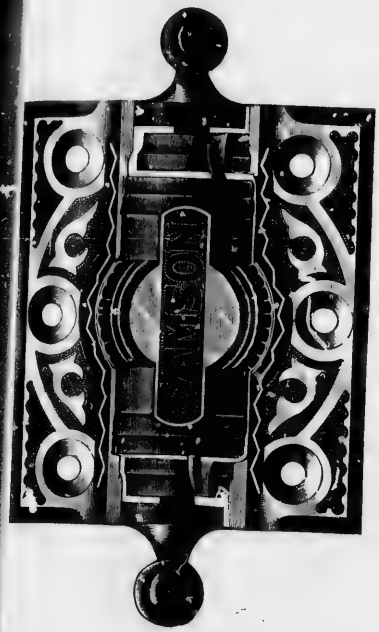
Full Size Cut of 1¼x1¾ Inches.

| | |
|---|---|
| Inches when open | 1 1-4 x 1 3-4 |
| List, per dozen pairs | $1.35 |

One Dozen Pairs in a Box.

## SURFACE SPRING HINGES

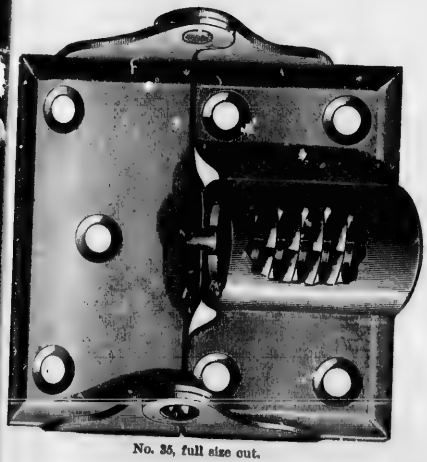
To swing one way.



### The Samson.

No. 5—Royal bronze..... ..... .....Per dozen pairs $2.10

Half dozen pairs in a box.



No. 35, full size cut.

### No. 35

Wrought steel, japanned.

Per dozen pairs. ..... .... $2.10

Holds the door open or closed.

One dozen pairs in a box.

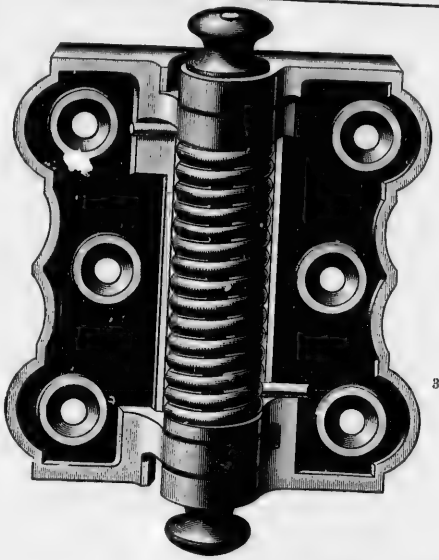
### No. 15, "KNOXALL.

Cast iron, japanned.

2½ x 3¾ inches.... .....Per dozen pairs $1.50

Holds the door open or closed.

One dozen pairs in a box.



## SURFACE SPRING HINGES

To swing one way.

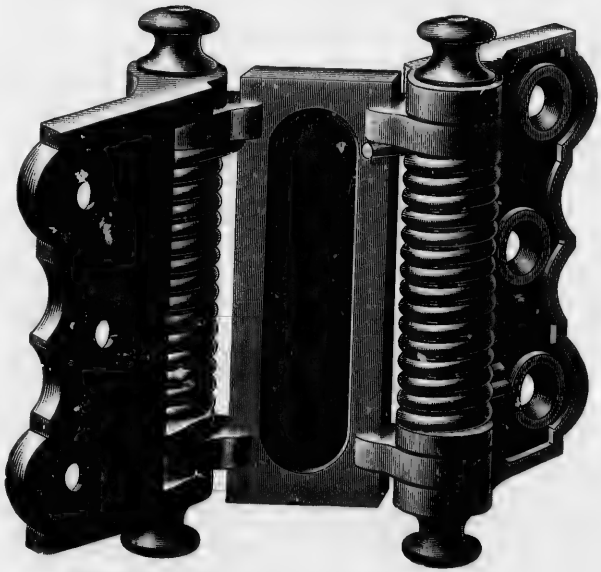
Japanned, coppered springs.

No. **165**

3-inch japanned ..... Per dozen pairs $1.90

Half dozen pairs in a box.

**Double acting, to swing both ways.**



Japanned, coppered springs. For 1 to 1⅛ inch doors.

No. **1165**—3-inch, without screws ..... Per dozen pairs $4.80

Half dozen pairs in a box.

Double act

No. **1125**—3 x 1¼ inch,

No. **1125**—3 x 1½ inch,

## PATENT RATCHET SPRING HINGES

MORTISE.

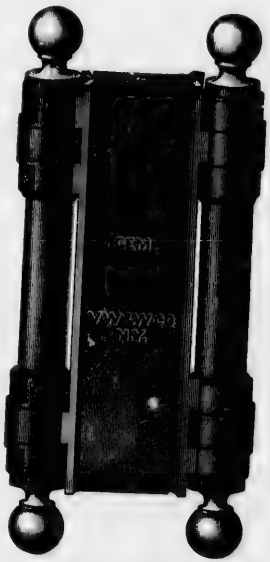
Full size cut of No. 1125. Patented.

**Double acting, to swing both ways. Adjustable tension, either right or left hand.**

No. **1125**—3 x 1½ inch, Tuscan bronzed, tinned spring, without screws ..... Per dozen pairs $5.25
No. **1125**—3 x 1½ inch, Tuscan bronzed, tinned spring, without screws ..... Per dozen pairs 5.40

Half dozen pairs in a box.

## GEM SPRING HINGES



Double acting.

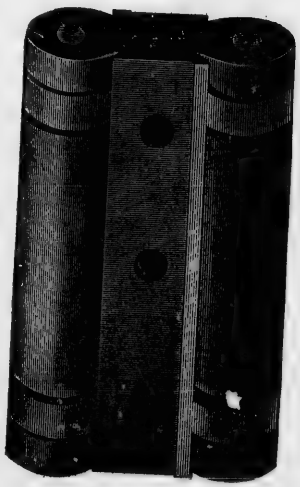
Japanned, Ball Tips.

Suitable for either right or left hand doors.

The largest hinges that the thickness of the doors will permit should always be used.

| No. | Length of Flanges. | For doors not larger than | Per pair |
|---|---|---|---|
| 183 | 3½ inch. | 6 x 2 feet x ⅜ to 1⅛ inch | $2.25 |
| 184 | 4 inch. | 7 x 2 feet x 1 to 1⅜ inch | 2.60 |
| 185 | 5 inch. | 7 x 2½ feet x 1 to 1½ inch | 3.60 |
| 186 | 6 inch. | 7 x 2½ feet x 1 to 1⅝ inch | 4.50 |

One pair in a box.



Full size cut of 3-inch.

## "Cartland's" Double Action Spring Hinges

No. 5353—To swing both ways.

Springs only.

| Inch | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|
| For doors.. | 1¼ | 1½ | 1¾ | 2 | 2¼ | 2½ |
| Each | $1.05 | 1.35 | 1.45 | 1.80 | 2.10 | 2.50 |

Shams only.

| Inch | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|
| For doors.. | 1¼ | 1½ | 1¾ | 2 | 2¼ | 2½ |
| Each | $0.45 | .60 | .85 | 1.00 | 1.05 | 1.15 |

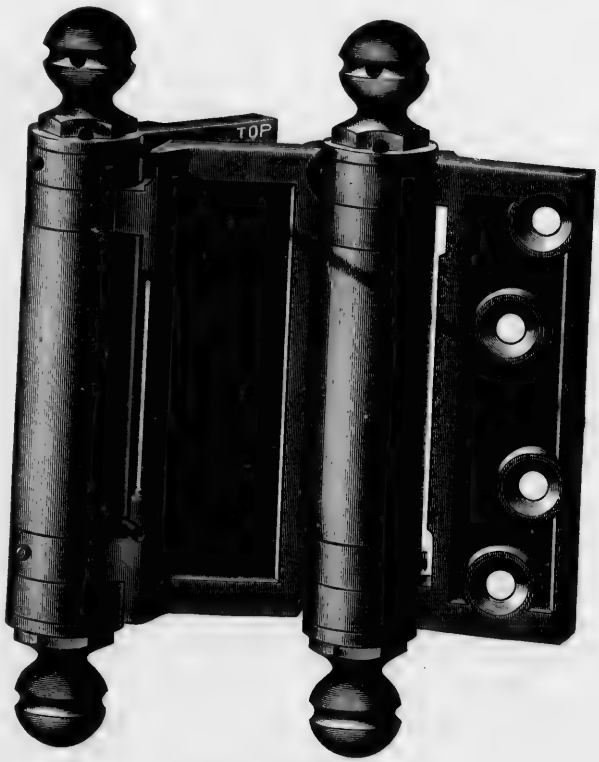
3 and 3½ inch, half dozen in a package.

Other sizes, one-quarter dozen.

For doors, inch.....
Inch.....
Per pair.....

## MODEL SPRING HINGES

**Double acting. Adjustable tension. Covered springs.**




Full size cut of 3½ inch. Patented.

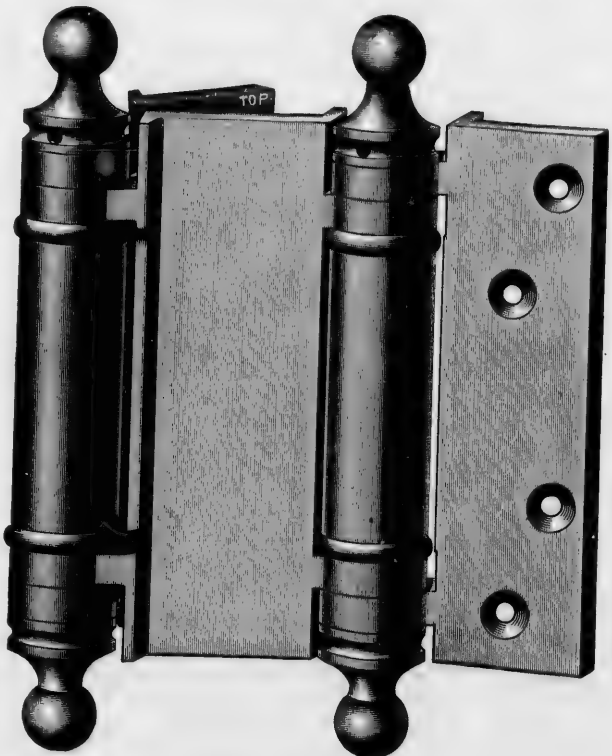
**No. 1111—Japanned.**

| For doors, inch | ¾ to 1 | | ⅞ to 1⅜ | | 1 to 1½ | | 1 to 1⅝ |
|---|---|---|---|---|---|---|---|
| Inch | 3 1-2 | | 4 | | 5 | | 6 |
| Per pair | $ 2.25 | | 2.75 | | 3.25 | | 4.25 |

One pair in a box.

## MODEL SPRING HINGES

**Double acting. Adjustable tension. Covered springs.**



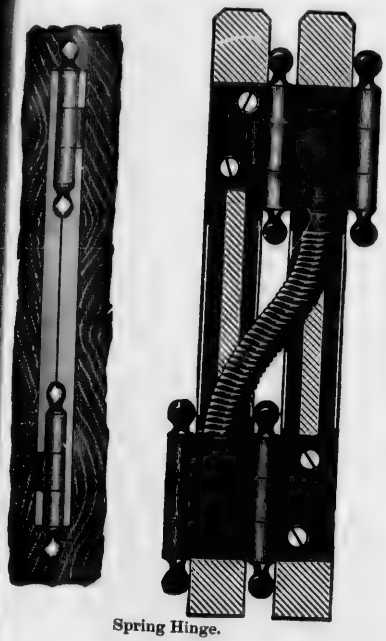

Full size cut of 4 inch. Patented.

**No. Y1117—Highly polished. Bronze plated.**

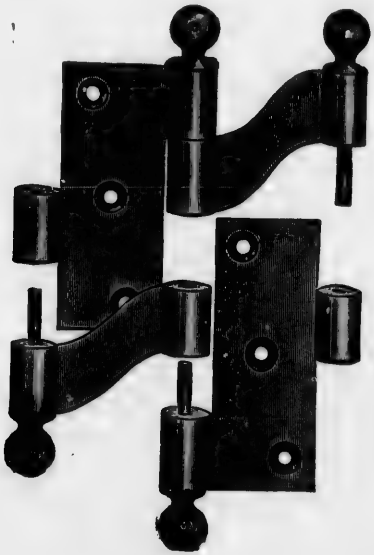
| For doors, inch | ⅞ to 1⅜ | .... | 1 to 1¼ | .... | 1 to 1⅜ | .... | 1¼ to 1½ |
|---|---|---|---|---|---|---|---|
| Inch | 4 | .... | 5 | .... | 6 | .... | 7 |
| Per pair | $6.75 | .... | 8.00 | .... | 9.50 | .... | 10 50 |

One pair in a box. With screws.

## CHICAGO DOUBLE AND SINGLE ACTING SPRING AND BLANK HINGES



Spring Hinge.



Blank Hinge.

### Japanned, Single Acting Spring Hinges

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. 2—For doors | | | | | | | ⅜ to 1½ | | ..... | | 1½ to 2 | |
| Per pair | | | | | | | $1.00 | | ..... | | 2.25 | |

### Japanned, Double Acting Spring Hinges

Lacquered Springs.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. 1—For doors | ⅜ to 1 | | 1⅛ to 1½ | | 1⅜ to 1½ | | 1½ to 2 | | 2½ to 2½ | | 2⅜ to 3½ | |
| Per pair | $1.20 | | 1.50 | | 2.50 | | 4.00 | | 7.00 | | 10.00 | |

### Bronze Plated, Double Acting Spring Hinges

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. 31—For doors | ⅜ to 1 | | 1⅛ to 1½ | | 1⅜ to 1½ | | 1½ to 2 | | 2½ to 2½ | | 2⅜ to 3½ | |
| Per pair | $3.00 | | 3.75 | | 5.50 | | 7.50 | | 10.00 | | 14.00 | |

When applied to the door, the spring is concealed when closed.

### Japanned, Double Acting Blank Hinges

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. 3—For doors | ⅜ to 1 | | 1⅛ to 1½ | | 1⅜ to 1½ | | 1½ to 2 | | 2½ to 2½ | | 2⅜ to 3½ | |
| Per pair | $0.60 | | 0.75 | | 1.25 | | 2.00 | | 3.50 | | 5.00 | |

### Bronze Plated, Double Acting Blank Hinges

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. 33—For doors | ⅜ to 1 | | 1⅛ to 1½ | | 1⅜ to 1½ | | 1½ to 2 | | 2½ to 2½ | | 2⅜ to 3½ | |
| Per pair | $1.50 | | 1.88 | | 2.75 | | 3.75 | | 5.00 | | 6.50 | |

To economize for light doors, put a spring hinge at the top and a blank hinge at the bottom of the door. Never use a blank on outside doors as it takes the full power of two springs to hold door against the draft. Always put it below the spring.

## WROUGHT BRASS SPRING HINGES

For Show Cases, etc.

Full size cut of No. 1.

No. 1—Single acting, 2½ inch.....Per dozen pairs $ 3.50
No. 3—Single acting, 3 inch.....Per dozen pairs 5.50
No. 9—Double acting, 3 inch.....Per dozen pairs 10.00

One dozen pairs in a box.

## Patent "No-Slam" Screen Door Checks

Showing the door closing

**An Automatic Check for Screen Doors**

Can be applied to any screen door in connection with any door spring or spring hinge. It is a durable check and will not rack the door.

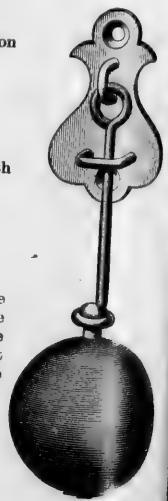
Rubber ball, nickel-plated trimmings.

No. 1 "No-Slam" screen door check, with screws.....Per dozen

Half dozen in a box.

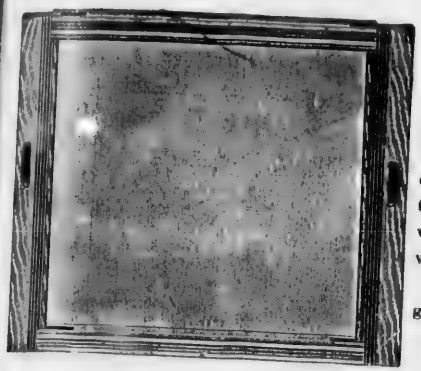
DIRECTIONS.

Screw the plate in an upright position on the inside of door (when door is closed) so that the ball, when hanging plumb, will just touch the door jamb. The check should be placed about midway between the top and bottom of the door.



Patented. This cut is about two-thirds size.

## DOOR AND WINDOW SCREENS



### SELF-ADJUSTABLE WINDOW SCREEN

It is operated by a coil spring at each end of the wings. The iron rod on which the coil spring works is screwed into the wing with a thread and prevents the wing from warping or splitting, and is so adjusted to the frame that either end of the wing may be moved one-half inch to fit the window frame when out of plumb. It is made in three sizes and stained in walnut, extends six inches and fits all windows.

The wire cloth is fastened to the frame by pressing into a groove into which a welt is driven to hold it secure.

PRICE LIST OF SELF-ADJUSTABLE SCREEN.

Imitation Walnut.

| Height in inches. | Width in inches. | Extends to inches. | No. | Per dozen. |
|---|---|---|---|---|
| 24 .... | 25½ .... | 31½ .... | 17 .... | $4.50 |
| 24 .... | 29½ .... | 35½ .... | 18 .... | 4.70 |
| 29½ .... | 33½ .... | 39½ .... | 19 .... | 5.40 |

All packed one dozen in crate, wire cloth covered to prevent damage in shipping.

### DOOR SCREENS

Made from inch stock. Well finished in imitation of walnut, with three panels; the cloth is all put on with a stretcher, and pressed into a groove and held in place by a welt.

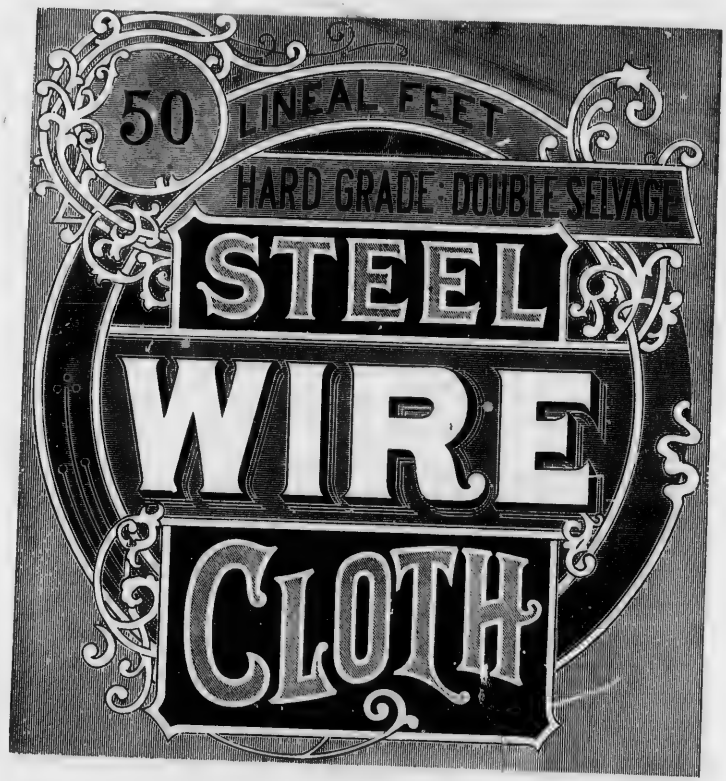
PRICE LIST OF DOOR SCREENS.

Imitation Walnut.

| No. | Width. | Height. | Price per doz. |
|---|---|---|---|
| 20 .... | 2 ft. 8 in. .... | 6 ft. 8 in. .... | $13.60 |
| 21 .... | 2 " 10 " .... | 6 " 10 " .... | 14.10 |
| 22 .... | 3 " .... | 7 " .... | 14.70 |

Half dozen in a crate.

## STEEL WIRE SCREEN CLOTH




Painted Green.

Every roll of our hard grade screen cloth bears the above label.

Green painted screen wire cloth, 18 to 42 inches wide ..... Per 100 sq. feet $2.75

In rolls of 50 and 100 lineal feet.

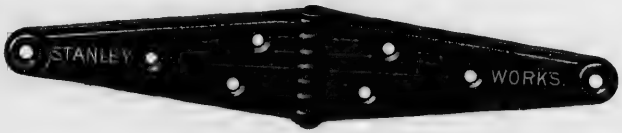
**Table showing number of square feet from one to ten rolls, 50 feet each.**

WIDTH.

| No. of Rolls | Lineal Feet | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 in. wide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1..... | 50 | 75 | 83⅓ | 91⅔ | 100 | 108⅓ | 116⅔ | 125 | 133⅓ | 141⅔ | 150 | 158⅓ | 166⅔ | 175 |
| 2..... | 100 | 150 | 166⅔ | 183⅓ | 200 | 216⅔ | 233⅓ | 250 | 266⅔ | 283⅓ | 300 | 316⅔ | 333⅓ | 350 |
| 3..... | 150 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 |
| 4..... | 200 | 300 | 333⅓ | 366⅔ | 400 | 433⅓ | 466⅔ | 500 | 533⅓ | 566⅔ | 600 | 633⅓ | 666⅔ | 700 |
| 5..... | 250 | 375 | 416⅔ | 458⅓ | 500 | 541⅔ | 583⅓ | 625 | 666⅔ | 708⅓ | 750 | 791⅔ | 833⅓ | 875 |
| 6..... | 300 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 |
| 7..... | 350 | 525 | 583⅓ | 641⅔ | 700 | 758⅓ | 816⅔ | 875 | 933⅓ | 991⅔ | 1050 | 1108⅓ | 1166⅔ | 1225 |
| 8..... | 400 | 600 | 666⅔ | 733⅓ | 800 | 866⅔ | 933⅓ | 1000 | 1066⅔ | 1133⅓ | 1200 | 1266⅔ | 1333⅓ | 1400 |
| 9..... | 450 | 675 | 750 | 825 | 900 | 975 | 1050 | 1125 | 1200 | 1275 | 1350 | 1425 | 1500 | 1575 |
| 10..... | 500 | 750 | 833⅓ | 916⅔ | 1000 | 1083⅓ | 1166⅔ | 1250 | 1333⅓ | 1416⅔ | 1500 | 1583⅓ | 1666⅔ | 1750 |

SQUARE FEET.

## HEAVY STRAP HINGES.



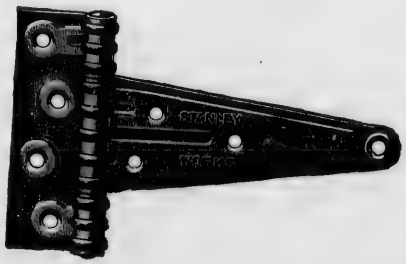

### No. 935. Stanley's Corrugated Steel.

**Less Weight and Freight, Greater Strength and Ornamental Effect.**

These Hinges will sustain a greater weight than the ordinary Heavy Strap and Extra Heavy T Hinges of corresponding sizes, and the list prices are practically the same.

| Inches | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|
| Per Dozen Pairs | $0.80 | 1.00 | 1.50 | 2.30 | 3.45 |

### Extra Heavy T Hinges.




### No. 937. Stanley's Corrugated Steel.

| Inches | 5 | 6 | 8 | 10 |
|---|---|---|---|---|
| Per Dozen Pairs | $1.35 | 1 70 | 2.80 | 3.80 |

## LIGHT STRAP HINGES

Wrought Steel.

| Inch | 3 | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| Per dozen pairs | $1.00 | 1.20 | 1.40 | 1.70 | 2.50 | 3.50 |

## Heavy Strap Hinges

Wrought Steel.

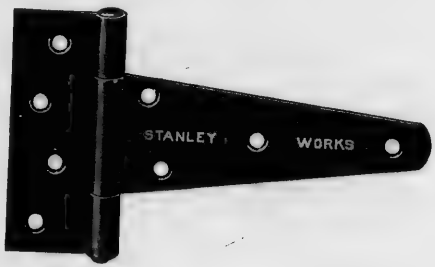
| Inch | 4 | 5 | 6 | 8 | 10 | 12 and larger |
|---|---|---|---|---|---|---|
| Per pound | $0.06¾ | .06¾ | .06 | .06 | .05¾ | .05¾ |

## Light T Hinges

Wrought Steel.

| Inch | 3 | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| Per dozen pairs | $1.00 | 1.10 | 1.80 | 1.50 | 1.80 | 2.40 |

## HEAVY T HINGES




Wrought Steel.

| Inch | 4 | 5 | 6 | 8 | 10 | 12 and larger. |
|---|---|---|---|---|---|---|
| Per pound | $0.07½ | .07½ | .06½ | .06 | .05⅝ | .05⅜ |

## Screw and Strap Hinges

Wood Screw Hook.

| | | |
|---|---|---|
| 6, 8 and 10 inch | Per pound | $0.06 |
| 12 to 30 inch | Per pound | .04½ |

## Wrought Bent Hasps and Staples

No. 40.

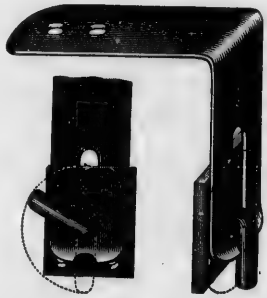
No. 40—6 inch bent hasps and staples . . . Per dozen $0.45

One dozen in a box.

## CRATE HASPS

Wrought Steel.

For fastening Fruit Crates, Berry Boxes, etc.

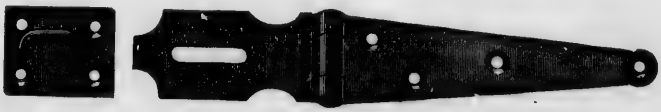


Half size cut of No. 1. Patented.

Half size cut of No. 12.

No. 1—"Delaware,".....Per single dozen $0.50 | No. 12—Hinged.....Per single dozen $0.60

## Hinge Hasps or Padlock Hinges



Wrought Steel.

| Inch..... | 3 | ..... | 4 1-2 | ..... | 6 | ..... | 8 |
|---|---|---|---|---|---|---|---|
| Per dozen pairs..... | $1.05 | .. ... | 1.20 | ..... | 1.50 | ..... | 2 10 |

## Wrought Hasps and Staples

Wrought Steel.

| Inch..... | 5 | ..... | 6 | ..... | 7 | ..... | 8 |
|---|---|---|---|---|---|---|---|
| Per dozen..... | $0.25 | ..... | .30 | ..... | .35 | ..... | 40 |

One dozen in a box.

## WROUGHT HASPS AND STAPLES

With Hook.

LIGHT.

| Inch | 6 | 7 | 8 | 9 |
|---|---|---|---|---|
| Per dozen | $0.35 | .40 | .45 | .50 |

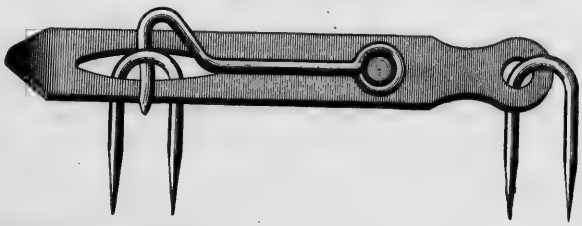
HEAVY.

| Inch | 6 | 7 | 8 | 9 |
|---|---|---|---|---|
| Per dozen | $0.45 | .50 | .55 | .65 |

One dozen in a box.

## Combination Hasps and Staples

With Round Hook.



8 inch, combination, extra heavy hasps and staples.....Per dozen $1.20
9 inch, combination, extra heavy hasps and staples.....Per dozen 1.35

Assorted right and left. One dozen in a box.

## Wrought Hooks and Staples

| Inch | 1-4 x 4 | 1-4 x 5 | 1-4 x 6 |
|---|---|---|---|
| Per gross | $4.00 | 4.25 | 4.80 |

| Inch | 5-16 x 4 | 5-16 x 5 | 5-16 x 6 | 5-16 x 7 |
|---|---|---|---|---|
| Per gross | $5.00 | 5.25 | 5.60 | 6.00 |

One-quarter gross in a box.

## WROUGHT STEEL STAPLES

| Inch | 1 | 1 1-2 | 2 | 2 1-4 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|
| Per gross | $1.20 | 1.25 | 1.70 | 2.00 | 2.35 | 3.20 | 3.70 | 5.25 |

1½ to 2½ inch one gross in a box, 2¾ to 4 inch half gross.

## Coppered Steel Wire Staples

Barbed Blind Staples.

| Inch | 3-8 | 7-16 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|---|
| Per pound | $0.15 | .15 | .15 | .15 | .15 |

Ten pounds in a box.

Barbed Bed Staples.

| Inch | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|
| Per pound | $0.11 | .11 | .11 | .11 |

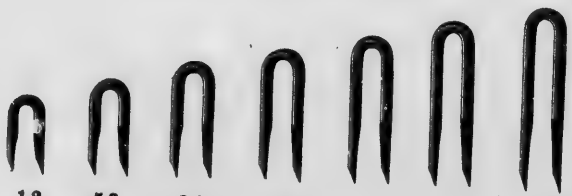
Ten pounds in a box, or in bulk.

## Basket Fasteners

Coppered steel wire basket fasteners ..... Per pound $0.15

Two pounds in a package.

## Flat Steel Round-Crown Staples



1-2 5-8 3-4 7-8 1 1 1-8 1 1-4 inch.

## Sharp-Pointed Flat Steel Wire

| Inch | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|---|---|---|---|
| Per pound | $0.16 | .16 | .16 | .16 | .14 | .14 | .14 | .14 |

Ten pounds in a box and in bulk. If in one pound packages, 1 cent per pound extra, net.

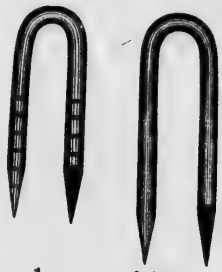
## BARREL AND BOX STAPLES

Plain.

Patent.

| Inch, 5-8 x 3-4 | Plain. | Patent. | Flat Wire. |
|---|---|---|---|
| Per pound | $0.10 | .11 | .11 |

## Galvanized Fence and Poultry Netting Staples



| Inch | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|
| No. Wire Gauge | 12 | 9 | 9 | 9 | 9 |
| Per 100 pounds | $8.00 | 6.00 | 5.50 | 5.50 | 5.50 |

100 pounds in a keg.

## Building Paper

| | | |
|---|---|---|
| Plain strawboard, for lining buildings, 32 inches wide | Per roll | $0.90 |
| Dry fibre sheathing, for lining buildings, 32 inches wide | Per roll | 1.05 |
| No. 1 O.K. sheathing, 36 inches wide | Per roll | 1.15 |
| No. 2 O.K. sheathing, 36 inches wide | Per roll | 1.05 |
| Tarred strawboard, 32 inches wide | Per roll | 0.90 |
| Tarred wool felt, for roofing, 32 inches wide | Per roll | 2.40 |
| 400 feet in a roll. | | |
| Tarred felt, 32 inches wide | Per 100 lbs. | $2.50 |
| In rolls of 30 to 40 lbs. | | |
| Red rosinized sheathing, 36 inches wide | Per roll | $0.85 |
| Parchment building paper, 36 inches wide | Per roll | 2.10 |
| 500 feet in a roll. | | |

## Carpet Felt

Best moth proof carpet felt ..... Per 100 lbs. $3.75

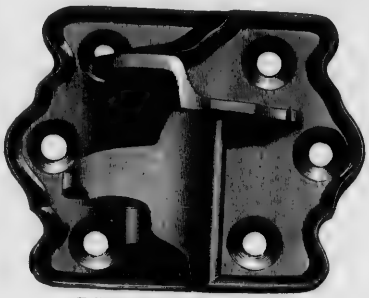
## Wrapping Paper

| Size | 20 x 30 | 24 x 36 | 30 x 40 | 30 x 40 | 34 x 48 |
|---|---|---|---|---|---|
| Weight per ream, lbs. | 20 | 40 | 60 | 80 | 120 |
| Best brown hardware paper. Per lb. | $0.06 | .06 | .06 | .06 | .06 |
| Best Rag paper. Per lb. | .04½ | .04½ | .04½ | .04½ | .04½ |

## White Tea Paper

| | | |
|---|---|---|
| 5 lbs. per ream, 13 x 17 inches | Per ream | $0.45 |
| 7 lbs. per ream, 15 x 20 inches | Per ream | .00 |

## BLIND HINGES



Full size cut of No. 10.

**Empire Self Locking.**

Patented.

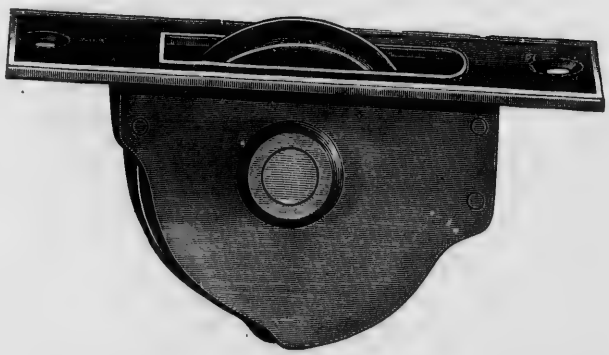
The only hinge in the market permitting the use of storm sash without cutting sash or removing hinge.

No. **1**—For wood.....Per dozen sets $1.30
Throws blind 1¼ inches from casing.

No. **3**—For brick.....Per dozen sets 2.00
Throws blind 3¼ inches from casing.

No. **5**—For brick.....Per dozen sets 4.25
Throws blind 4½ inches from casing.

## Frame Pulleys



**Polished Wheel, Turned Axle.**

No. **106**—2¼ inch, panel front.....Per dozen $1.10

Packed as wanted.

**Polished Wheel Turned Axle, Brass Face.**

No. **14475**—1¾ inch, plain front.....Per dozen $1.95
No. **14475**—2 inch, plain front.....Per dozen 2.25
No. **14475**—2¼ inch, plain front.....Per dozen 2.75

One dozen in a package.

## FRAME PULLEYS.

Empire.

Common Sense.

Empire, 2 Inch Wheel.....Per Dozen $0.40
Common Sense, 2 Inch Wheel.....Per Dozen, .40

Full Size Cut No. 12.

No. 11. 1¾ Inch Wheel.....Per Dozen, $ 0.35
No. 12. 2 Inch Wheel.....Per Dozen, .38
No. 13. 2¼ Inch Wheel.....Per Dozen, .50

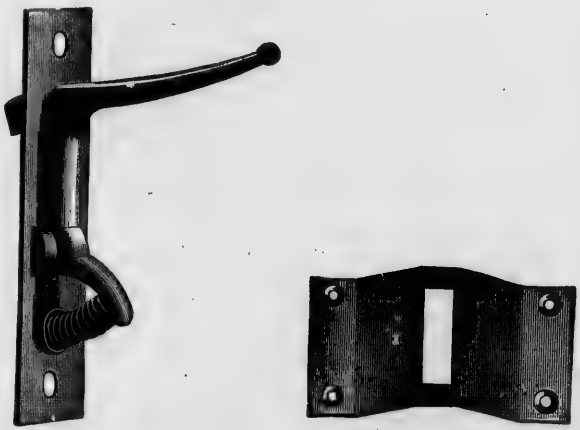
In Bulk. 100 Dozen in a Barrel.

## GATE HINGES AND LATCHES

**To swing both ways.**

Half size cut of upper hinge. Wrought iron.

Half size cut of lower hinge.

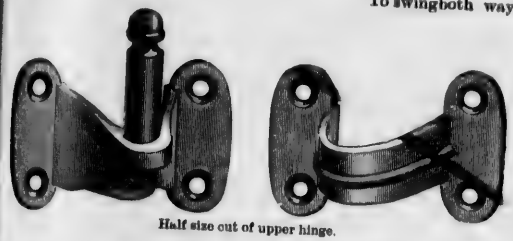


**No. 275**—Japanned hinge, upright latch..... Per dozen sets $7.25

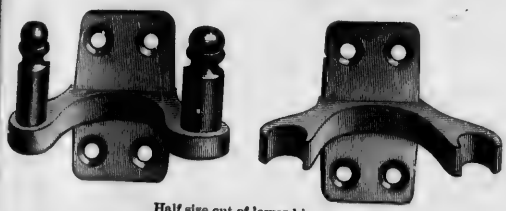
One-sixth dozen sets in a box.

## WESTERN GATE HINGES

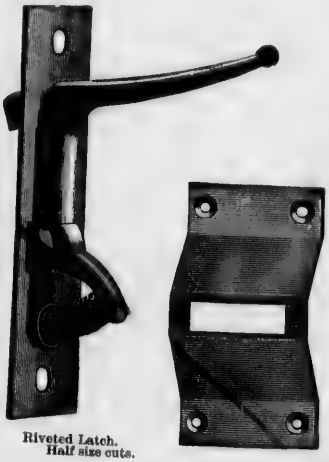
To swingboth ways.



Half size cut of upper hinge.



Half size cut of lower hinge.



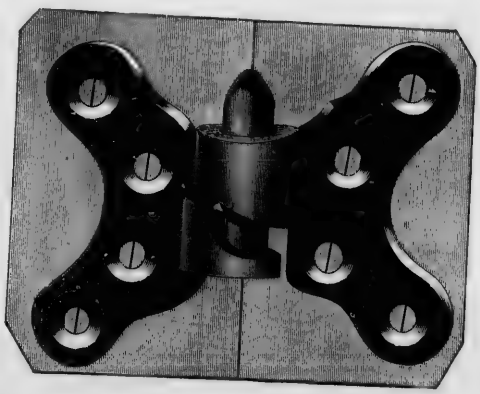
Riveted Latch.
Half size cuts.

No. 225—Western gate hinges with latch ..... Per dozen sets $4.50

One-sixth dozen sets in a box.

## Surface Gate Hinges

Self-shutting. To swing one way.



No. 65—Hinges only (half right and half left hand)..... Per dozen $2.25

Half dozen pairs in a box.

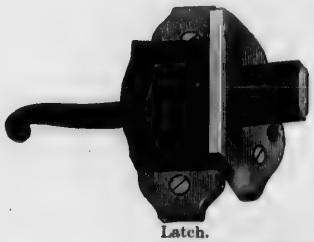
No. 66—Complete with spiral spring latch ..... Per dozen 3.50

One-third dozen sets in a box.

## GATE HINGES AND LATCHES

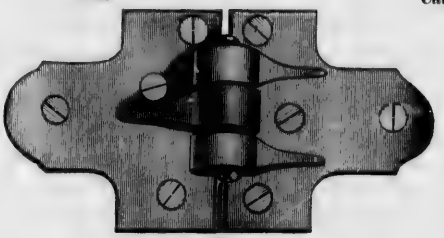
**No. 10, Clark's.**

**Self-closing: Reversible for right or left hand gate.**

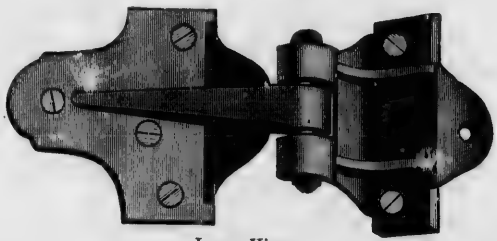


Latch.

Catch.



Upper Hinge.



Lower Hinge.

Cuts half size.

**No. 10**—Complete, with latches ..... Per dozen $4.25
Quarter dozen sets in a box.

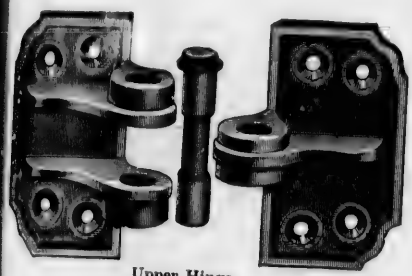
**No. 10**—Hinges only ..... Per dozen $2.70
Quarter dozen sets in a box.

**No. 10**—Latches only ..... Per dozen $1.55
One dozen in a box.

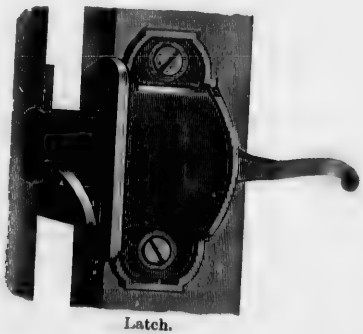
## GATE HINGES AND LATCHES

**No. 60**

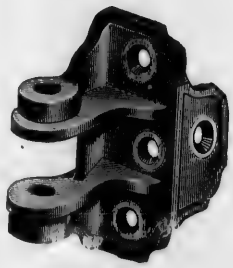
**Self-closing. Reversible.**

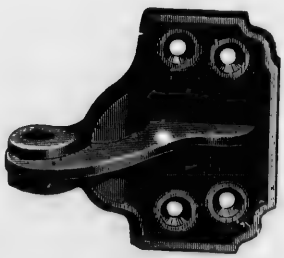


Upper Hinge.



Latch.





Lower Hinge.

No. 60—Complete with latches.....Per dozen $4.25

One set in a box.

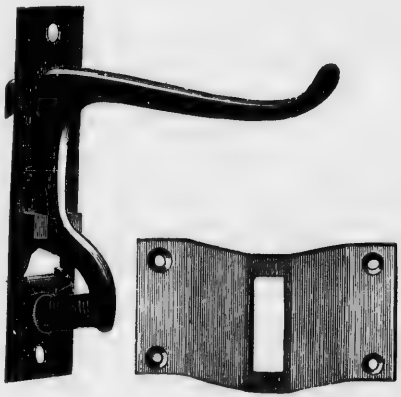
No. 60—Hinges only.....Per dozen 2.70

Quarter dozen sets in a box

No. 60—Latches only.....Per dozen 1.35

One dozen in a box.

## GATE LATCHES



Spiral spring action.

For gates swinging both ways.

Spiral spring action.

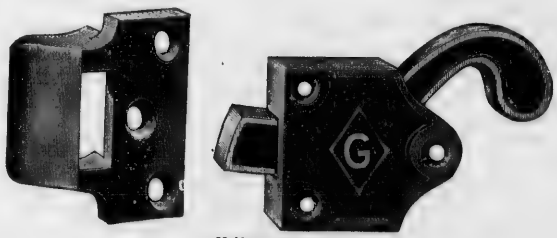
For gates swinging one way.

No. **65**—Spiral spring gate latches ..... Per dozen $1.35

One dozen in a box.

When ordering state whether to swing one or both ways.

## Gravity Gate Latches



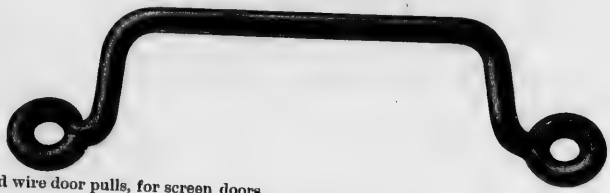

Half-size cut No. 3.

Surface. Gravity action. For gates swinging one way.

No. **3**—Japanned ..... Per dozen $1.35

One dozen in box.

## DOOR PULLS

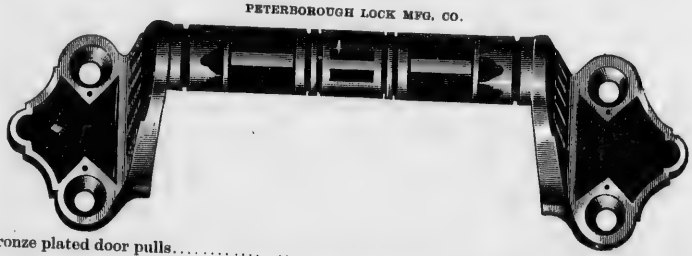


No. **263**—Japanned wire door pulls, for screen doors..... Per gross $2.10

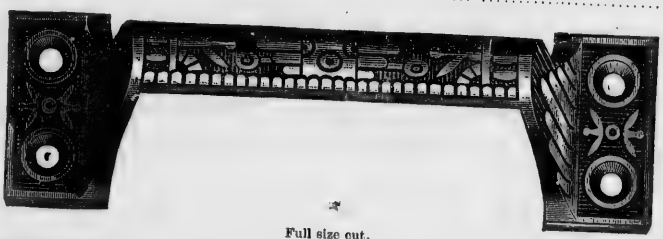
One quarter gross in a box

## Door Pulls

PETERBOROUGH LOCK MFG. CO.

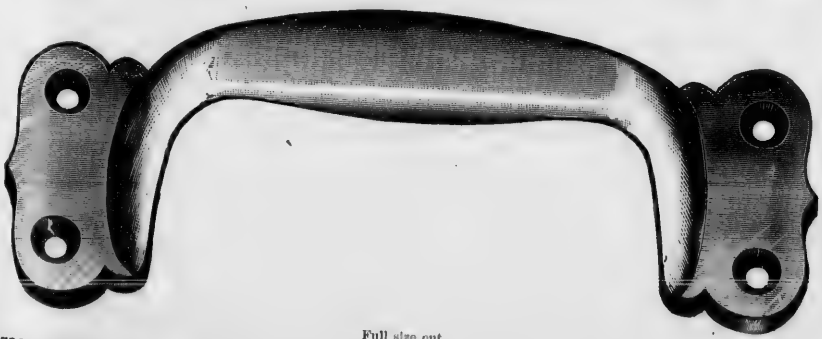


No. **4731**—Bronze plated door pulls..... Per dozen $1.60



Full size cut.

No. **4730**—Bronze plated door pulls..... Per dozen $1.70



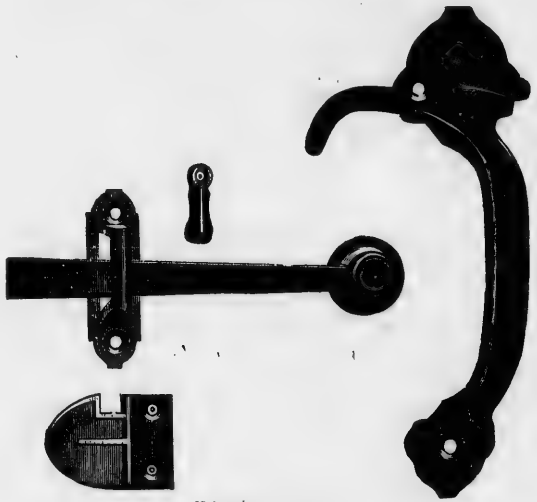
Full size cut.

No. **1736** Japanned..... Per dozen $8

No. **1736** Highly polished bronze..... Per dozen 5.50

One dozen in a box.

## JAPANNED THUMB LATCHES



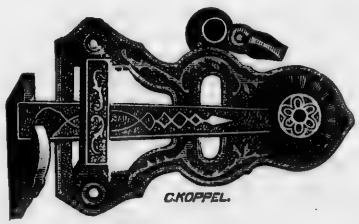
Half size cut of No. 2.

Japanned, wrought latch.

| Nos. | 2 | 3 | 4 |
|---|---|---|---|
| Per dozen | $0.55 | .60 | .70 |

One dozen in a box. Twelve dozen in a case.

## Bronzed Cottage Latches



Half size cut of No. 65.

No. **65**—Berlin bronzed .....Per dozen $1.15
No. **87**—Berlin bronzed .....Per dozen 1.20

Packed with screws. One dozen in a box.

## BRONZED STORE DOOR HANDLES

No. 1887.

No. 4

Half size cuts.

For either right or left hand doors.

No. **1887**—Berlin bronzed ..... Per dozen $2.25

No. **4**—Royal bronze ..... Per dozen 2.25

No. **3**—Royal bronze (same as No. 4) without plate ..... Per dozen 1.90

Packed with screws. Half dozen in a box.

## STORE DOOR HANDLES

PETERBOROUGH LOCK MFG. CO.

Cut shows ½ size.

No. 4628—Bronze plated (No. 10 finish)..... Per dozen $9.00

One-sixth dozen in a box.

No. 4728—Bronze p

## STORE DOOR HANDLES

PETERBOROUGH LOCK MFG. CO.

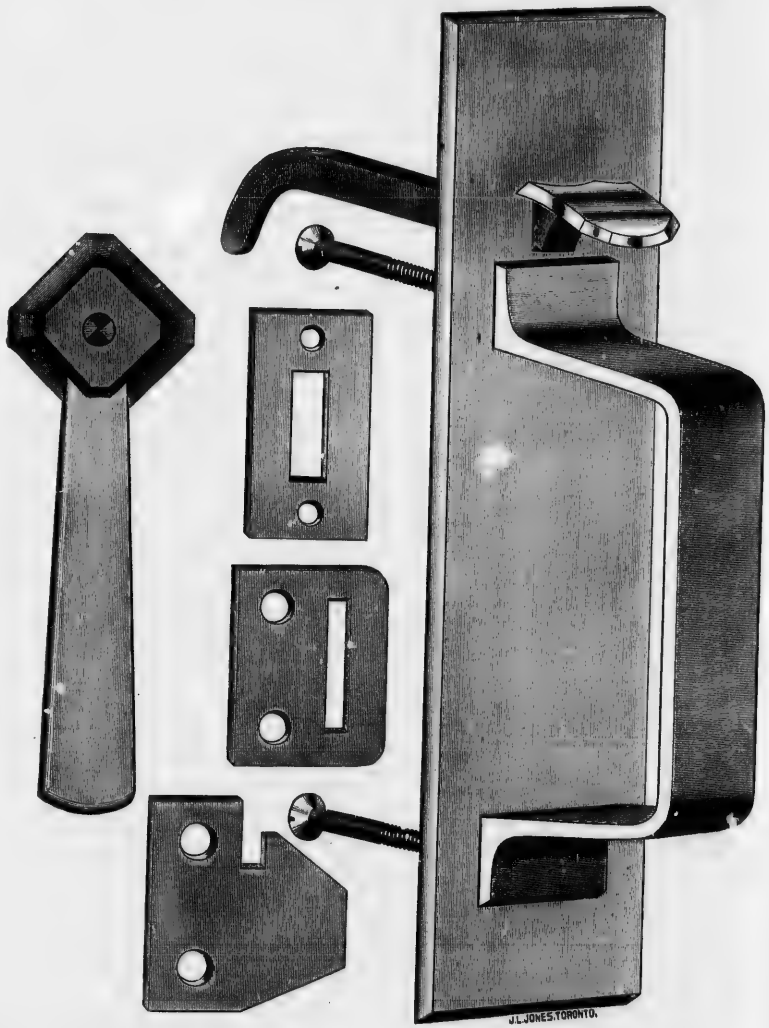
Cut shows ⅓ size.

No. 4728—Bronze plated (No. 10 finish) ..... Per dozen $10.00

One-sixth dozen in a box.

## STORE DOOR HANDLES

**Extra heavy. Bronze metal.**




**No. 6**—Bronze metal (polished)..... ..... .....

No. 1.

## STORE DOOR HANDLES

JAPANNED.

Half size cuts.

No. 1—Without plate.....Per dozen $1.20
No. 2—With plate.....Per dozen 1.35

Half dozen in a box.

No. 2.

## Extra Heavy Wrought Store Door Handles

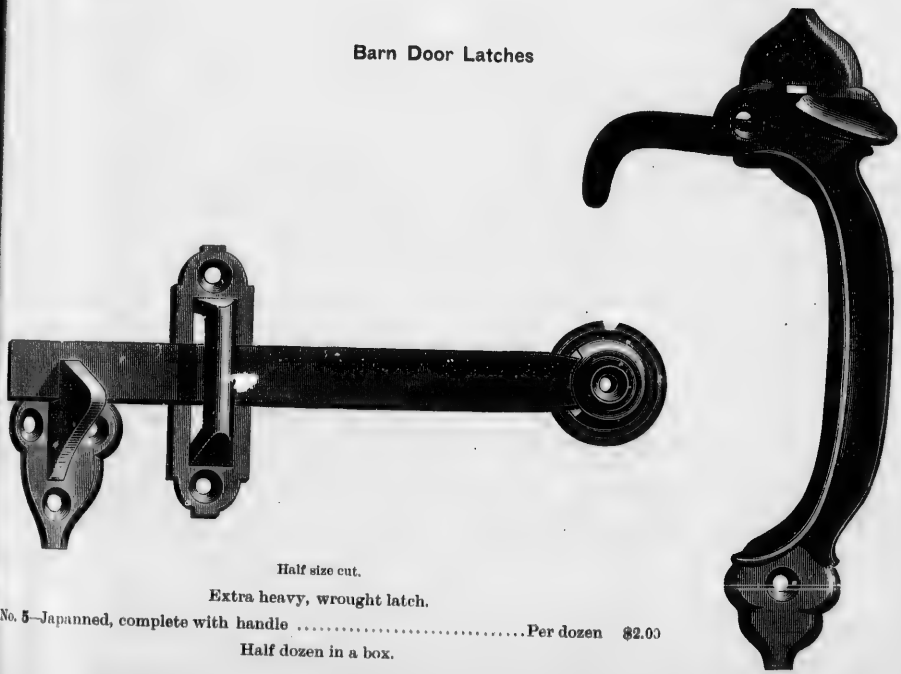
BRIGHT.

With heavy furniture.

No. 4—Heavy bent handle .....Per dozen $7.25
No. 5—Heavy bent handle .....Per dozen 8.75

Half dozen in wood box.

## Barn Door Latches



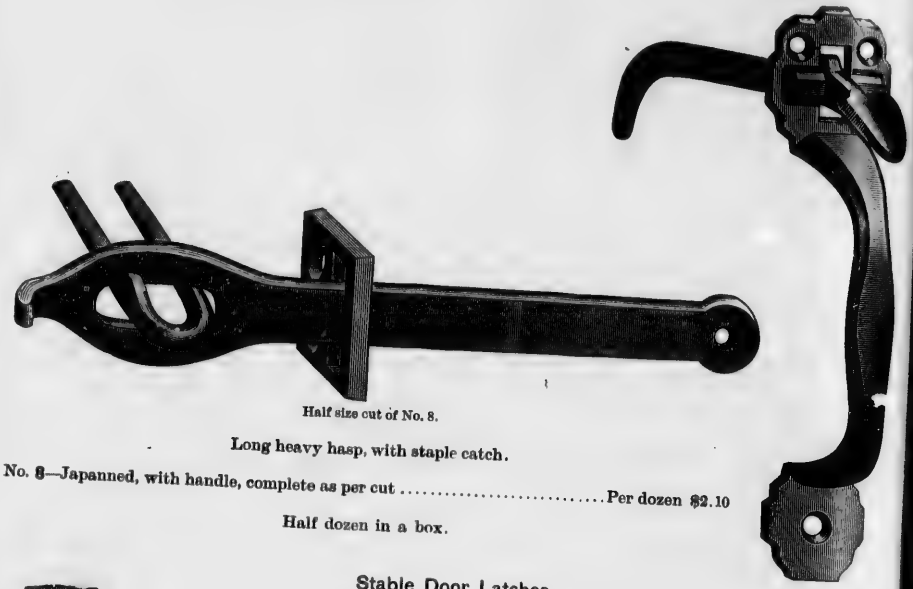
Half size cut.

Extra heavy, wrought latch.

No. 5—Japanned, complete with handle .....Per dozen $2.00

Half dozen in a box.

## BARN DOOR HASP AND LATCH



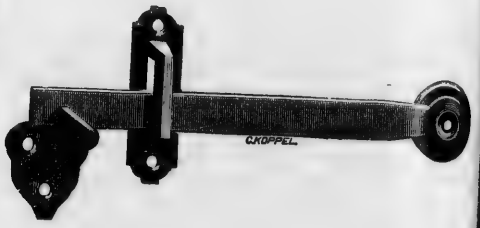
Half size cut of No. 8.

Long heavy hasp, with staple catch.

No. 8—Japanned, with handle, complete as per cut ..... Per dozen $2.10

Half dozen in a box.

## Stable Door Latches

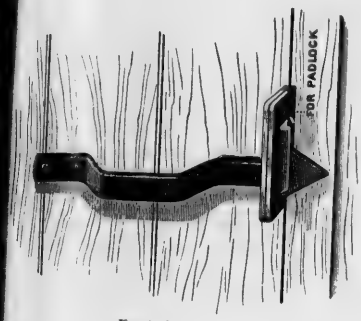



No. 195—Japanned stable door latch..... ..... ..... ..... ..... Per dozen $3.75

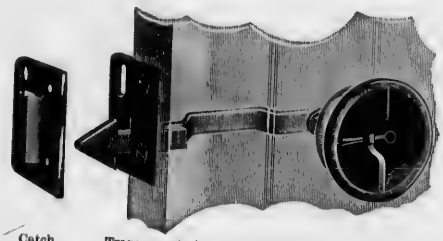
Half dozen in a box.

## SLIDING DOOR LATCH

Made of steel.




Front view.



Catch. Transparent view, showing side next the partition.

JAPANNED.

This latch is adjustable for doors of varying thickness.

It is so constructed as to be unfastened from either side, yet presents no projecting portion on the partition side of the door to be in the way. It also affords a good hold for the hand on each side of the door, both for working the latch and for moving the door.

While we offer this as a latch only, it also admits of being locked, as shown by the cut.

No. 1—Lane's barn door latches, wrought steel ..... Per dozen $5.25

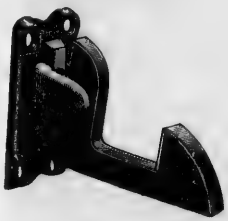
No. 2—Lane's barn door latches, wrought steel, with lock ..... Per dozen 8.00

One dozen in a box.

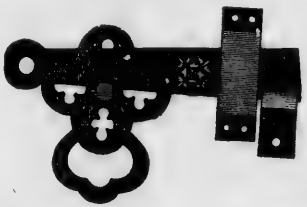
## Wrought Barn Door Latch

The "Hamilton" all wrought barn door latch, extra heavy ..... Per dozen $5.00

## Barn Door Catch



## Barn Door Latch



BARN DOOR CATCHES.

Japanned barn door catch ..... Per dozen $2.00

BARN DOOR LATCHES.

No. 1—Japanned barn door latch ..... Per dozen $6.75

## BARN DOOR STAY ROLLERS

**Patent Adjustable Hinge Stay Roller.**

This roller can be adjusted to any thickness of door by opening or closing the hinge. It is very strong and durable and cannot become loose and turn over when in use.

Japanned.....Per dozen $1.6

Barn door stay rollers, japanned, wrought screw stem.....Per dozen $1.5

## Barn Door Bolts

One-half size cut of six inches.

Can be used from inside or outside of door.

Japanned, with heavy bolt.

No. **13**—Japanned, heavy barn door bolt, 8 inch.....Per dozen $2.5

Half dozen in a box.

## BARN DOOR HANGERS

ACME.

ZENITH.

STEARN'S.

| | |
|---|---|
| ACME steel frame barn door hangers, 4 inch | Per dozen pairs $7.50 |
| ACME steel frame barn door hangers, 5 inch | Per dozen pairs 8.25 |
| ZENITH barn door hangers. | Per dozen pairs 9.50 |
| STEARN'S patent barn door hangers, 4 inch | Per dozen pairs 5.75 |
| STEARN'S patent barn door hangers, 5 inch | Per dozen pairs 7.00 |

## New Perfection

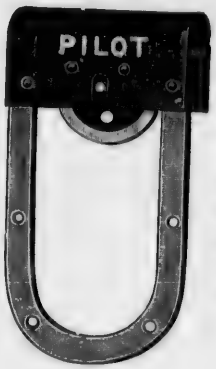
STEEL, COVERED ANTI-FRICTION DOOR HANGER.

With Steel Channel and Loose Steel Axle.

Perfection.

The steel channel rolled in one piece forms a strong, perfect rider bar. The axle having a wide bearing surface in the channel, and the wheel revolving on the axle prevents wear at the end of the rider bar. The under lip of the channel can be bent downward and the wheel taken out if desired. The rider bar being angle in shape, makes it very strong. The channel is made wide, which keeps the wheel from jumping the track.

| | |
|---|---|
| No. 1—6 feet run, for light doors | Per dozen pairs $ 9.00 |
| No. 1 1-2—10 feet run, for standard size doors | Per dozen pairs 10.50 |
| No. 2—12 feet run, for heavy doors | Per dozen pairs 12.75 |
| No. 3—15 feet run, for extra heavy doors | Per dozen pairs 24.00 |

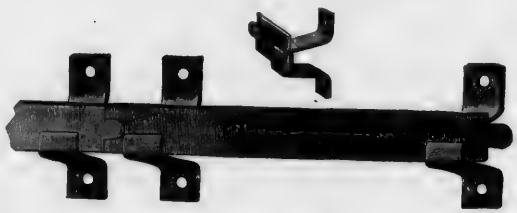



## PILOT
## ANTI-FRICTION STEEL BARN DOOR HANGER

The steel axle of the wheel runs on the face of a double set of smaller wheels (on same principle as an anti-friction grindstone hanger), which are encased within a heavy steel cover. The axles of the small wheels are fastened to the inner supports and the cover, thus making a hanger which is entirely covered. The groove in the large wheel and all its bearings being turned, makes it run perfectly true. It has no equal either in strength or durability.

No. **1**—For standard size doors.....Per dozen pairs $14.25

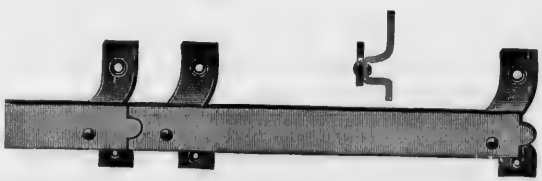
## The P. L. B. Patent Steel Door Rail



THE PERFECTION LOCK BRACKET RAIL has the steel bracket passing through the rail and locked. It is very strong, and can be used in connection with any grooved wheel hanger.

Regular lengths, 6, 8 and 10 feet.....Per foot $0.05½

## Lane's Steel Bracket Door Rail



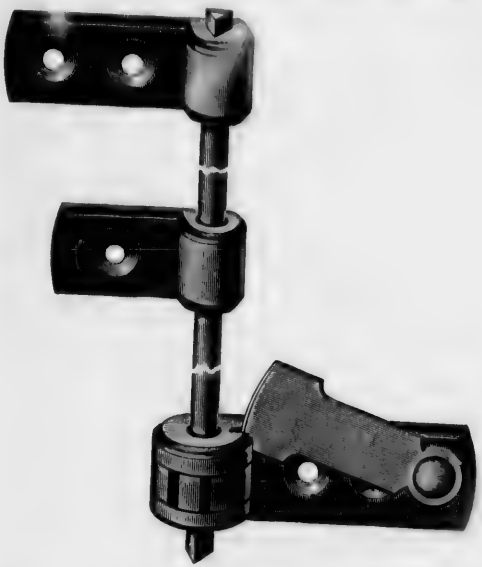
This rail is strong and easily put up, and can be used in connection with any grooved wheel hanger.

Regular lengths, 6, 8 and 10 feet.....Per foot $0.05½

TORREY, Japanne

No. **161**—Japanned,
No. **162**—Japanned,
No. **163**—Japanned,

## TORREY DOOR SPRINGS

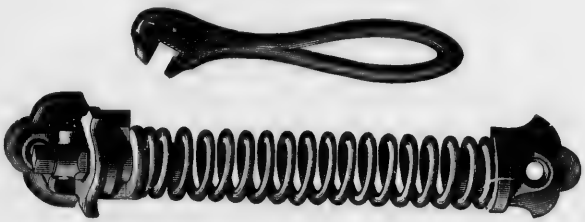


TORREY

TORREY, japanned, malleable iron fittings, 34 inch steel rod, packed with screws..... Per dozen $2.50

One dozen in a box.

## Patent Coil Door Springs



Tension can be applied or released instantly.

No. 161—Japanned, 10 inch for screen doors..... Per dozen $1.35
No. 162—Japanned, 11 inch for medium doors..... Per dozen 1.90
No. 163—Japanned, 12 inch for heavy doors..... Per dozen 2.65

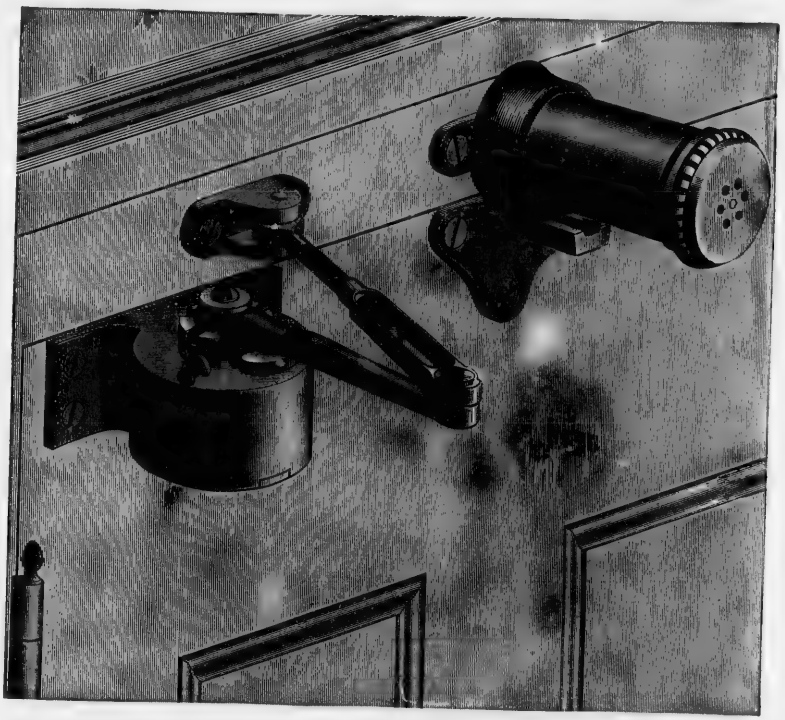
One dozen in a box.

## English Barrel Door Springs

| No. X | 18 inch | 22 inch |
|---|---|---|
| Per dozen | $4.50 | $5.75 |

## IMPROVED ECLIPSE DOOR CHECKS AND SPRINGS.

**Both Checks and Springs, for Either Right or Left Hand Doors.**



### Tuscan Bronzed, Eclipse Door Checks.

**With Detachable Feet for Fastening Check to Either Door or Casing.**

| | | |
|---|---|---|
| **No. 1223.** | For Ordinary Doors, Diameter of Cylinder, **1 1-2** Inches.....Each, | $2.85 |
| **No. 1225.** | For Heavy Doors, Diameter of Cylinder, **2** Inches .....Each, | 3.75 |
| **No. 1227.** | For Very Heavy Doors, Diameter of Cylinder, **2 1-2** Inches.....Each, | 5.50 |

ONE IN A BOX.

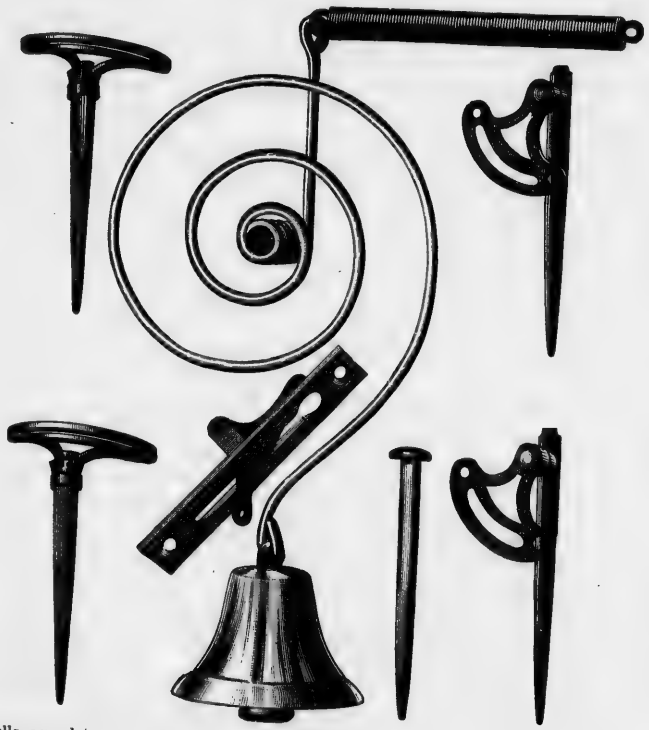
### Tuscan Bronzed, Eclipse Door Springs.

**Flat Spring, for Either Right or Left Hand Doors.**

| | | |
|---|---|---|
| **No. 1251.** | For Inside Doors.....Each, | $1.30 |
| **No. 1253.** | For Heavy Inside Doors, or Light Outside Doors.....Each, | 1.75 |
| **No. 1255.** | For Heavy Outside Doors.....Each, | 2.40 |
| **No. 1257.** | For Very Heavy Outside Doors.....Each, | 3.40 |

ONE IN A BOX.

## HOUSE BELLS ON CARRIAGES



No. 123 - House bells, complete ..... Per dozen $7.50

Half dozen in a package.

## House Bells (Loose)

House bells, turned edges ..... Per pound $0.40

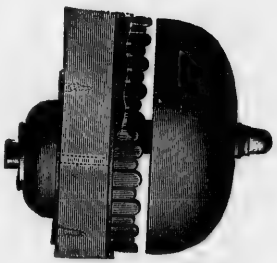
## DOOR KNOCKERS

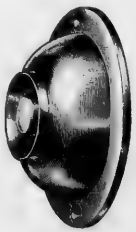
No. 1—Japanned ..... Per dozen $4.25

Half dozen in a box.

## Electric Mechanical Door Bells

Can be used either with lever, bell pull or push button.





Complete with polished bronze metal lever.

4 inch, plain bell metal, bell ..... Per dozen $16.25
5 inch, plain bell metal, bell ..... Per dozen 18.75

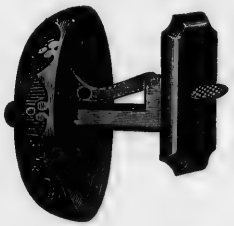
Complete with polished bronze metal push button.

4 inch, plain bell metal, bell ..... Per dozen $13.25
5 inch, plain bell metal, bell ..... Per dozen 16.25

One-twelfth dozen in a box.

## DOOR BELLS

### Gravity Door Bell



Simple and durable, no springs or other appliances to get out of order.

**Ornamental, Bronzed, Iron Bell and Lever.**

No **2**—4 inch ..... Per dozen $5.00

**Plain Bronze Bell, Ornamental Bronze Lever.**

No. **20**—4 inch ..... Per dozen 10.00

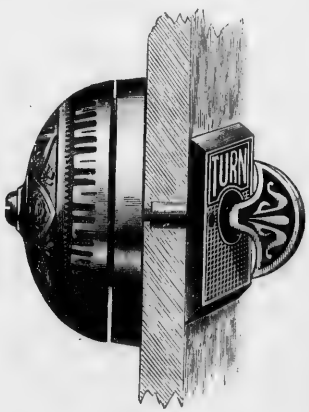
**Ornamental Bronze Bell and Lever.**

No. **200**—4 inch ..... Per dozen 9.00

One-twelfth dozen in a box.

### New Improvement Rotary Door Bell

Nos. 6 and 206.




No. 100.

**Requires no winding. Has no springs. Cannot get out of order.**

The stroke is produced by rotating the bell turn, and an electric ring sound is produced by slightest movement of turn in either direction.

No. **206**—3 inch, nickel-plated bell, real bronze turn and escutcheon ..... Per dozen $16.25

No. **6**—4 inch, nickel-plated bell, real bronze turn and escutcheon ..... Per dozen 18.50

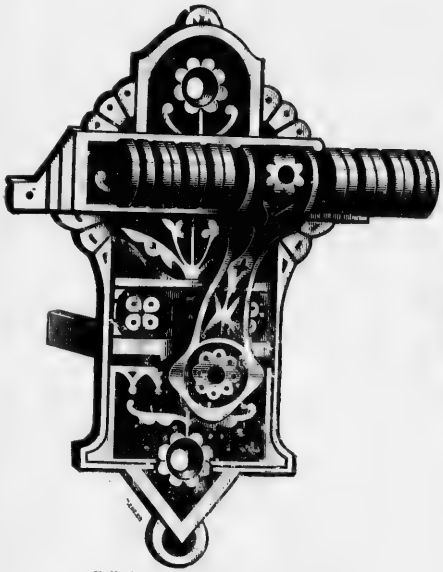
No. **100**—3 inch steel bell, antique copper bronzed turn and escutcheon ..... Per dozen 12.75

No. **100**—4 inch steel bell, antique copper bronzed turn and escutcheon ..... Per dozen 14.00

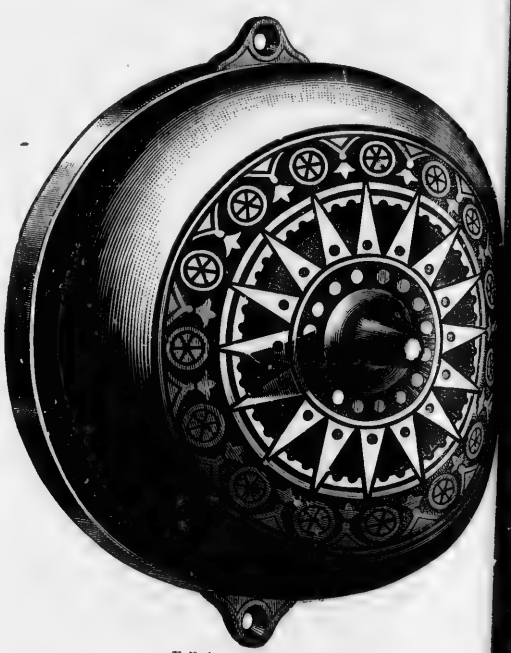
One-twelfth dozen in a box.

## LEVER DOOR BELLS

PETERBOROUGH LOCK MFG. CO.



Full size cut of Nos. 410, 411.



Full size cut of Nos. 719, 720.

### Bells

No. **719**—Berlin bronzed, 4 inch.....Per dozen $6.00
No. **720**—No. 10 finish, 4 inch.....Per dozen 8.50
No. **1720** Nickel-plated, 4 inch.....Per dozen 8.50
No. **724**—Berlin bronzed, 5 inch.....Per dozen 8.00
No. **725**—No. 10 finish, 5 inch.....Per dozen 8.00
No. **1725**—Nickel-plated, 5 inch.....Per dozen 10.50
Per dozen 10.50

One in a box.

### Sets of Bell and Lever

No. **0719**—Berlin bronzed, with 4 inch bell, and 410 lever.....Per dozen $8.00
No. **0724**—Berlin bronzed, with 5 inch bell, and 410 lever.....Per dozen 10.00
No. **0720**—No. 10 finish, with 4 inch bell, and 411 lever.....Per dozen 11.50
No. **0725**—No. 10 finish, with 5 inch bell, and 411 lever.....Per dozen 13.50

One set in a box.

No. **721**—4 inch, be
No. **722**—4 inch, ni
No. **723**—4 inch, be
No. **726**—5 inch, be
No. **727**—5 inch, ni
No. **728**—5 inch, be

No. **21**—4 inch, bell
No. **22**—4 inch, nick
No. **26**—5 inch, bell
No. **27**—5 inch, nick

## LEVER DOOR BELLS

PETERBOROUGH LOCK MFG. CO.

Cut shows 5 inch fancy pattern, No. 728.

| | | |
|---|---|---|
| No. **721**—4 inch, bell metal, fancy | Per dozen | $11.00 |
| No. **722**—4 inch, nickel-plated | Per dozen | 18.00 |
| No. **723**—4 inch, bell metal, fancy, No. 3 finish | Per dozen | 11.00 |
| No. **726**—5 inch, bell metal, fancy | Per dozen | 13.50 |
| No. **727**—5 inch, nickel-plated | Per dozen | 15.00 |
| No. **728**—5 inch, bell metal, fancy, No. 3 finish | Per dozen | 13.50 |

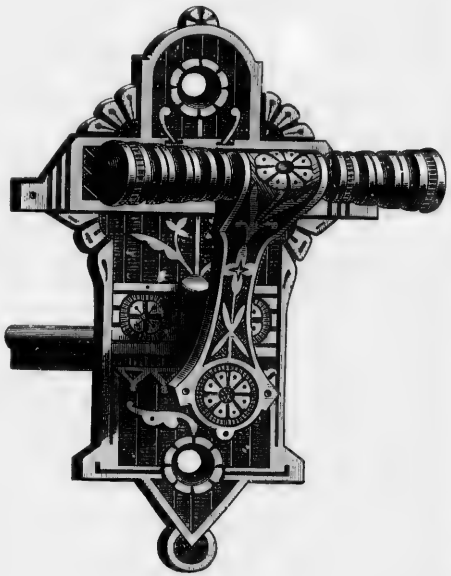
PLAIN BELLS. (Cut not shown.)

| | | |
|---|---|---|
| No. **21**—4 inch, bell metal | Per dozen | $11.00 |
| No. **22**—4 inch, nickel-plated | Per dozen | 18.00 |
| No. **26**—5 inch, bell metal | Per dozen | 13.50 |
| No. **27**—5 inch, nickel-plated | Per dozen | 15.00 |

One in a box.

## BELL LEVERS

PETERBOROUGH LOCK MFG. CO.



No. 410.

No. 428.

Full size cuts.

| | |
|---|---|
| No. **410**—Berlin bronzed | Per dozen $ 2.00 |
| No. **411**—No. 10 finish | Per dozen 3.00 |
| No. **428**—Highly polished bronze | Per dozen 11.00 |
| No. **430**—Nickel plated | Per dozen 12.00 |

Half dozen in a box.

## BELL LEVERS AND PULLS

PETERBOROUGH LOCK MFG. CO.

Full size cut of Nos. 2425 and 4323.

Full size cut of No. 4328.

### Levers

| | |
|---|---|
| No. **2425** Real bronze | Per dozen $7.00 |
| No. **3425**—Berlin bronzed | Per dozen 3.50 |
| No. **4425**—Bronze plated | Per dozen 5.50 |
| No. **423**—Plain bronze. Cut not shown | Per dozen 7.50 |
| No. **424**—Nickel plated. Cut not shown | Per dozen 8.50 |

### Pulls

| | |
|---|---|
| No. **4323**—Bronze plated | Per dozen 5.00 |
| No. **4328**—Jet top, bronze plated rose | Per dozen 4.50 |

## BELL LEVERS

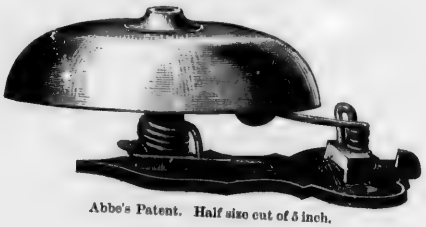
PETERBOROUGH LOCK MFG. CO.

Full size cut of No. 2428.

Full size cut of No. 2432.

| | |
|---|---|
| No. **2428**—Real bronze | Per dozen $ 8.00 |
| No. **3428**—Berlin bronzed | Per dozen 4.00 |
| No. **4428**—Bronze plated | Per dozen 6.00 |
| No. **2432**—Real bronze | Per dozen 11.00 |

## GONG BELLS



Abbe's Patent. Half size cut of 5 inch.

| Inch | 4 | 5 |
|---|---|---|
| No. 20—Bronzed steel bell, Per dozen | $7.50 | 10.50 |

One-twelfth dozen in a package.

Abbe's Patent.
The above cut does not show the alarm attachment.

## Alarm Door Bells

Abbe's Patent.

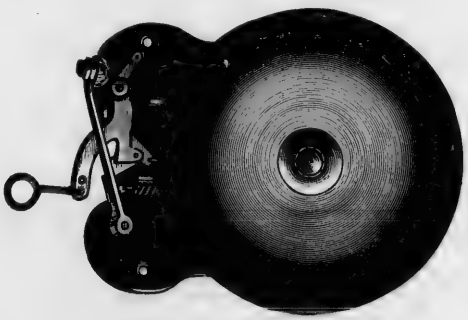
WITH ALARM ATTACHMENT.

No. 25—Bronzed steel bell, Per dozen $8.25

One-twelfth dozen in a box.

## Pure Bell Metal Engine and Steamboat Gongs

For elevators, steamboats, locomotives, warehouse calls, etc.



Central pull, outside stroke.

| Inch | 6 | 8 | 10 | 12 |
|---|---|---|---|---|
| Each | $2.40 | 4.75 | 7.00 | 12.75 |

The 10 inch and larger have lignumvitæ wood hammer.

Per dozen $ 8.00
Per dozen 4.00
Per dozen 6.00
Per dozen 11.00

## LETTER BOX PLATES




PETERBOROUGH LOCK MFG. CO.

No. 4975—Bronze plated (No. 10 finish) ..... Per dozen $5.00



No. 1003

| | | | |
|---|---|---|---|
| No. 1000 | Plain brass highly polished | Per dozen $12.00 | No. 1004 Ornamental bronze, dark enamelled ground finish |
| No. 1001 | Plain bronze highly polished | Per dozen 12.00 | |
| No. 1002 | Nickel-plated on brass | Per dozen 14.00 | No. 1005 Ornamental imitation bronzed |
| No. 1003 | Ornamental bronze | Per dozen 11.00 | No. 1006 Ornamental Geneva bronzed |
| | | Half dozen in a box. | |

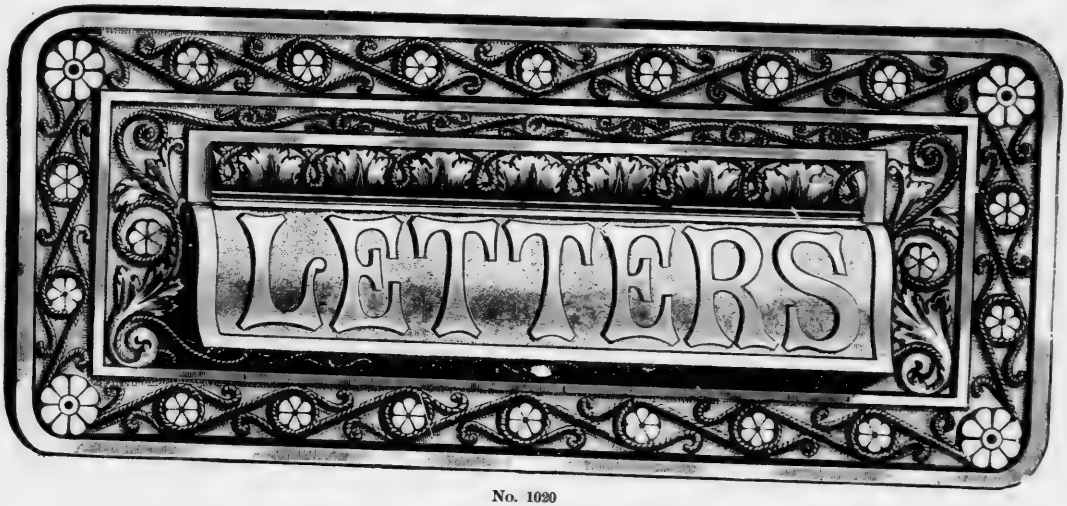
No. 1003

| | | |
|---|---|---|
| No. **1000** | Plain brass highly polished | Per dozen $12.00 |
| No. **1001** | Plain bronze highly polished | Per dozen 12.00 |
| No. **1002** | Nickel-plated on brass | Per dozen 14.00 |
| No. **1003** | Ornamental bronze | Per dozen 11.00 |

Half dozen in a box.

| | | |
|---|---|---|
| No. **1004** | Ornamental bronze, dark enamelled ground finish | Per dozen $11.00 |
| No. **1005** | Ornamental imitation bronzed | Per dozen 5.00 |
| No. **1006** | Ornamental Geneva bronzed | Per dozen 5.00 |





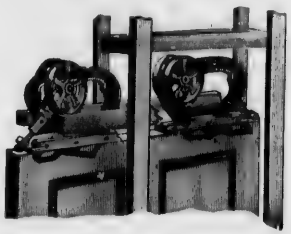

No. 1020

| | | |
|---|---|---|
| No. **1020**—Renaissance No. 1 finish, gold bronze | Per dozen | $20.00 |
| No. **1021**—Renaissance No. 2 finish, chocolate bronze | Per dozen | 20.00 |
| No. **1022**—Renaissance No. 3 finish, light bronze, dark enamelled ground finish | Per dozen | 20.00 |
| No. **1023**—Renaissance No. 4 finish, antique copper | Per dozen | 22.00 |
| No. **1024**—Renaissance No. 5 finish, antique brass | Per dozen | 22.00 |
| No. **1025**—Renaissance No. 6 finish, antique silver | Per dozen | 26.00 |

One in a box, with bolts.

## SLIDING DOOR HANGERS

### Richard's Improved

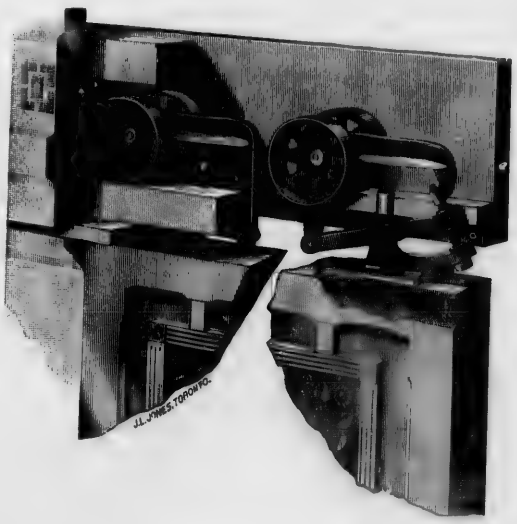


Richard's sliding door hangers for double doors.....Per set $3.75

Set consists of four hangers and 28 feet hardwood track.

One set in a box.

### Stearn's Anti-Friction



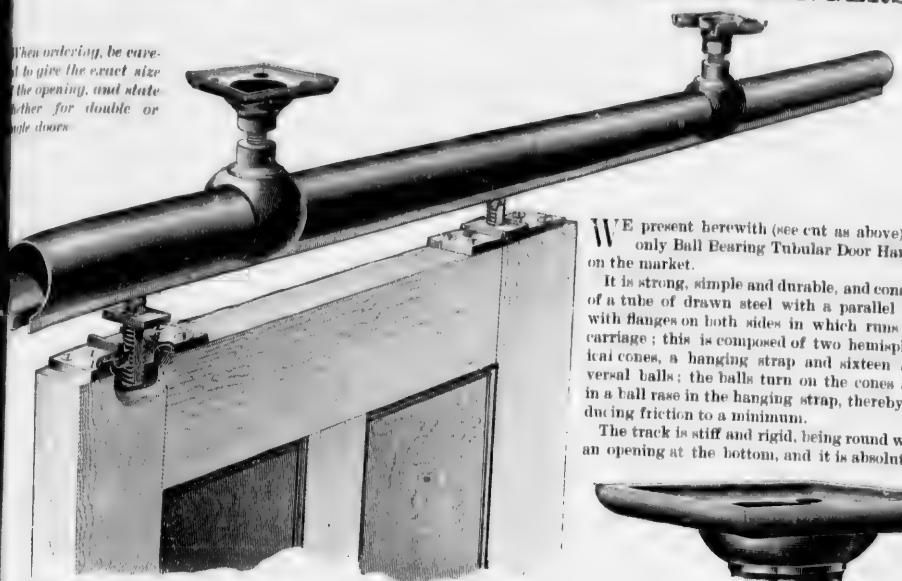

Stearn's sliding door hangers for double doors.....Per set $3.75

Set consists of four hangers and 28 feet hardwood track

One set in a box.

# McCABE BALL BEARING PARLOR DOOR HANGERS.

*When ordering, be careful to give the exact size of the opening, and state whether for double or single doors.*



WE present herewith (see cut as above) the only Ball Bearing Tubular Door Hanger on the market.

It is strong, simple and durable, and consists of a tube of drawn steel with a parallel slot with flanges on both sides in which runs the carriage; this is composed of two hemispherical cones, a hanging strap and sixteen universal balls; the balls turn on the cones and in a ball rase in the hanging strap, thereby reducing friction to a minimum.

The track is stiff and rigid, being round with an opening at the bottom, and it is absolutely impossible for it to clog, there being no place wherein snow, ice, dust or other matter could lodge and thus impede the free action of the doors.

In placing this Hanger on the market we have met and overcome all the objections made to other Hangers.

We believe that for hanging doors of all kinds, store step service and overhead carrying of any nature, it cannot be surpassed.

## Price-List of Parlor Door Hangers. Single Carriages.

ONE PIECE OF TRACK FOR EACH DOOR. COMPLETE WITH SCREWS.

| SINGLE DOOR. OPENING. | | DOUBLE DOORS. OPENING. | |
|---|---|---|---|
| 2 ft. 0 in | $3.00 | 4 ft. 0 in | $6.00 |
| 2 " 6 " | 3.00 | 5 " 0 " | 6.00 |
| 3 " 0 " | 3.50 | 5 " 6 " | 6.50 |
| 3 " 6 " | 4.00 | 6 " 0 " | 7.00 |
| 4 " 0 " | 4.50 | 6 " 6 " | 7.50 |
| | | 7 " 0 " | 8.00 |
| | | 7 " 6 " | 8.50 |
| | | 8 " 0 " | 9.00 |

## Price-List of Hangers with Double Carriages, for Heavy Parlor Doors.

ONE OR TWO, TWO OR FOUR PIECES OF TRACK. COMPLETE WITH SCREWS.

| SINGLE DOOR. OPENING. | | DOUBLE DOORS. OPENING. | |
|---|---|---|---|
| 4 ft. 0 in | $5.50 | 8 ft. 0 in | $11.00 |
| 4 " 6 " | 6.00 | 8 " 6 " | 11.50 |
| 5 " 0 " | 6.50 | 9 " 0 " | 12.00 |
| 6 " 0 " | 7.00 | 9 " 6 " | 12.50 |
| 7 " 0 " | 7.50 | 10 " 0 " | 13.00 |
| 8 " 0 " | 8.00 | 11 " 0 " | 13.50 |
| | | 12 " 0 " | 14.00 |

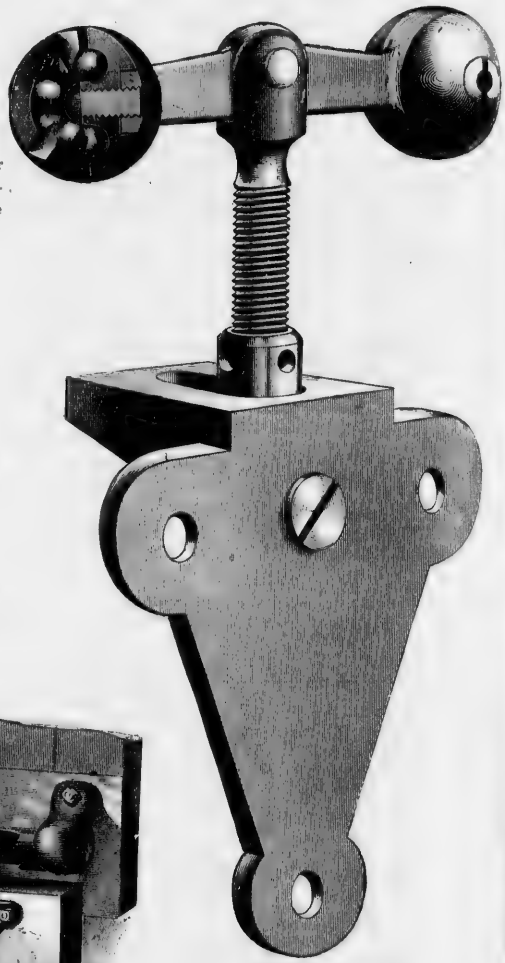
Prices on special sizes on application.

# McCABE BALL BEARING BARN DOOR HANGERS.

**For Heavy Barn, Shed and Mill, also Fire Doors and Shutters.**

**USE THIS DOUBLE CARRIAGE.**

We strongly recommend this double carriage for all kinds of heavy work, as this double carriage distributes the weight over a larger surface, and on large doors causes them to work more smoothly.



## PRICE LIST.

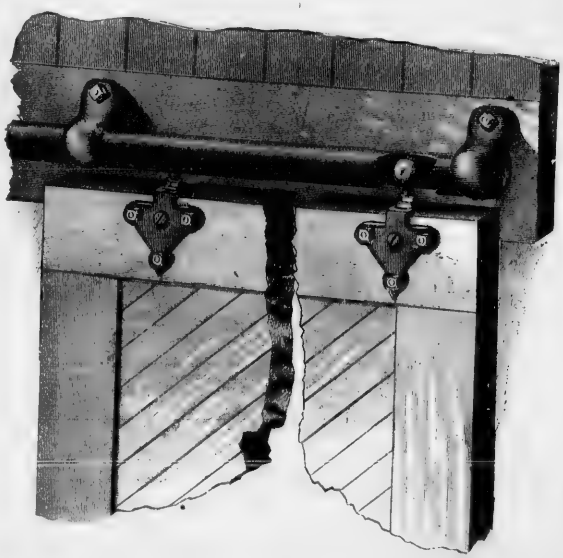
## BARN DOOR HANGERS,

As shown in cut, with double carriages, complete (without track), for doors 1¾ in. to 3 in. thick.

| | SINGLE DOORS. | DOUBLE DOORS. |
|---|---|---|
| 6 ft. opening and under | $6.50 | $10.50 |
| 7 ft. to 9 ft. | 7.50 | 11.50 |
| 10 ft. to 12 ft. | 8.50 | 12.50 |

Track, per foot, 50 cents extra.

*When ordering, be careful to give the exact thickness of the door, size of opening, and state whether for double or single doors.*



## PRICE LIST.

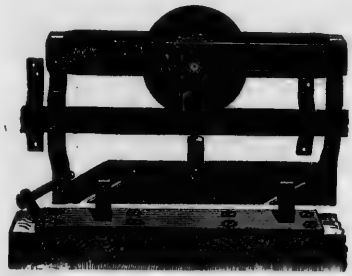
## BARN DOOR HANGERS,

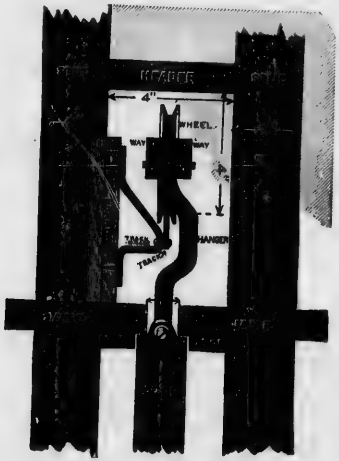
As shown opposite, with single carriages, complete (without track), for doors 1¾ in. to 2 in. thick. These carriages will carry 200 lbs. For hanging heavier doors, see above.

| | SINGLE DOORS. | DOUBLE DOORS. |
|---|---|---|
| 3½ ft. opening and under | $3.00 | $5.50 |
| 4 ft. to 5 ft. opening | 3.50 | 6.00 |
| 5 ft. to 6 ft. " | 4.00 | 6.50 |

Track, per foot, 50 cents extra.

## LANE'S PATENT ANTI-FRICTION STEEL PARLOR DOOR HANGER






**For double doors, each one to slide four feet or less.**

With 14 feet of track gravity stops, striking and floor plates.....Per set (4 hangers) $6.75

**For single door, to slide four feet or less.**

With 8 feet of track gravity stop, striking and floor plate.....Per half set (2 hangers) 3.50

THE LANE PARLOR DOOR HANGER is an all steel single track hanger made to run noiselessly on a steel track. The anti-friction wheel is made with a sole leather centre, clamped firmly between discs of steel, with steel nuts on a steel axle. The use of the leather in the wheel causes it to run as noiselessly as a bicycle. The edge of the leather forms the rolling surface, and the wear on it being a rolling one renders it practically indestructible. The hanger is adjusted readily by turning only one screw with an ordinary screwdriver. Quickly applied; easily adjusted; noiseless and durable.

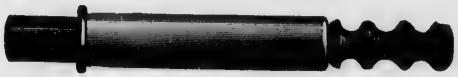
## Transom Lifters.

**Solid Grip Transom Lifters.**

**Adapted either for top, bottom, or centre hung transoms.**

No. 303—$\frac{3}{8}$ inch diameter, 3 feet long, bronzed iron.....Per dozen $ 5.00
No. 304—$\frac{3}{8}$ inch diameter, 4 feet long, bronzed iron.....Per dozen 5.50
No. 315—$\frac{5}{16}$ inch diameter, 5 feet long, bronzed iron.....Per dozen 12.00
No. 316—$\frac{5}{16}$ inch diameter, 6 feet long, bronzed iron.....Per dozen 13.50

## WINDOW SPRING BOLTS



Full size cut of Nos. 10 and 20.

No. **10**—Japanned.....Per gross $1.65
No. **20**—Japanned, silvered tip.....Per gross 2.10

Full size cut of No. 37.

WROUGHT IRON, TINNED.

No. **37**—Wrought iron, tinned.....Per gross $3.25

Full size cut.

### Spiral Spring Window Springs

Self-fastening Screw Socket.

To fit ⅜ inch hole.

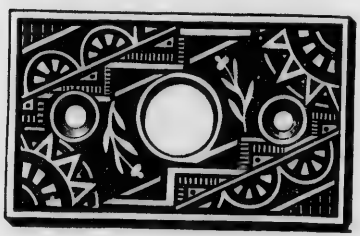
No. **19**—Iron case, malleable iron bolt.....Per gross $4.80

Half gross in a box.

Full size cut.

### Sash Pulls and Plates

PETERBOROUGH LOCK MFG. CO.



Full size cut.

SASH PULLS.

No. **3913**—Berlin bronzed.....Per dozen $1.55
No. **4913**—Bronze plated.....Per dozen 2.00

SASH PULL PLATES.

No. **3910**—Berlin bronzed.....Per dozen $0.50
No. **4910**—Bronze plated.....Per dozen 0.70

## SASH LIFTS

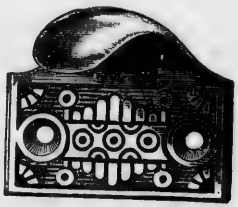
PETERBOROUGH LOCK MFG. CO.

No. 3943.
Full size cut.

SARGENT.

Full size cut of No. T443A.

PETERBOROUGH LOCK MFG. CO.



No. 2941.
Full size cut.

No. 3943—Berlin bronzed
No. 4943—Bronze plated (No. 10 finish) ..... Per gross $8.60
No. T443A—Tuscan bronzed ..... Per gross 6.00
No. 2941—Real bronze ..... Per gross 3.20
No. 3941—Berlin bronzed ..... Per gross 15.60
No. 4941—Bronze plated ..... Per gross 3.60
..... Per gross 6.72

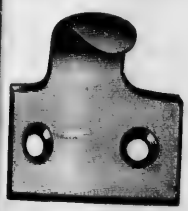
PETERBOROUGH LOCK MFG. CO.

No. 2948.
Full size cut.

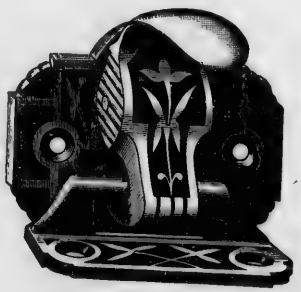
No. 2948—Real bronze ..... Per gross $14.40
No. 3948—Berlin bronzed ..... Per gross 6.00
No. 4948—Bronze plated ..... Per gross 8.40

SARGENT.

PETERBOROUGH LOCK MFG. CO.

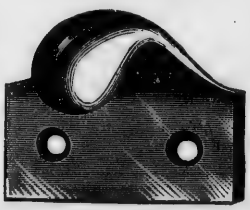


No. 1940.
Full size of cut—Bronze.



Full size cut of No. T460A. Patented.

PETERBOROUGH LOCK MFG. CO.



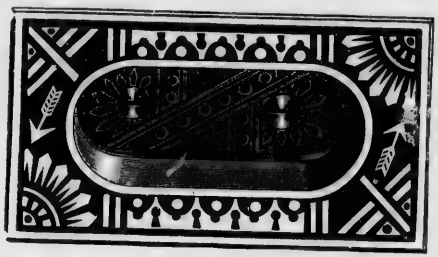
No. 1951.
Full size cut.

No. 1940—Highly polished bronze ..... Per gross $15.00
No. 1951—Highly polished bronze ..... Per gross 24.00
No. T460A—Tuscan bronzed ..... Per gross 14.00

Quarter gross in a box.

## SASH LIFTS

PETERBOROUGH LOCK MFG. CO.



No. 3947. Full size cut.

PETERBOROUGH LOCK MFG. CO.

No. 2945. Full size cut.

No. **3947**—Berlin bronzed ..... Per dozen $0.90
No. **4947**—Bronze plated ..... Per dozen 1.60
No. **2945**—Real bronze ..... Per dozen 4.80

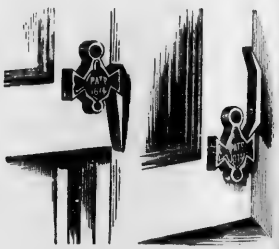
One dozen in a box.

## Sash Fasteners

GARRETSON'S.

Full size cut No. 1.

DIXON'S.



Window open. Window closed.

No. **1**—Copper bronzed, Garretson's ..... Per gross $4.50
No. **11**—Copper bronzed, Dixon's ..... Per gross 6.00

Half gross in a box.

Full size cut of Nos. 211 and 218—Patented.

No. **211**

Berlin bronzed ..... Per dozen $0.70

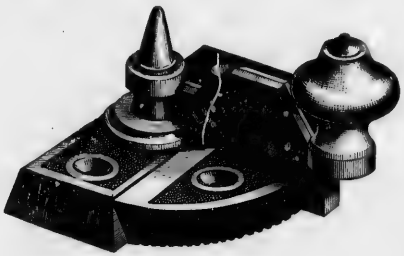
No. **218**

Bronze plated ..... Per dozen 2.10

One dozen in a box.

## SASH FASTENERS

No. 37.

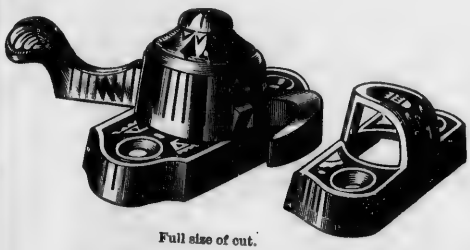


No. 38.

No. **37**—Tuscan bronzed, with screws ..... Per dozen $0.70

No. **38**—Tuscan bronzed, with screws ..... Per dozen 0.90

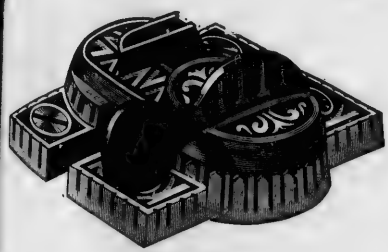
PORCELAIN KNOB.



Full size of cut.

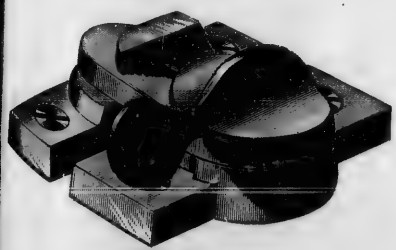
PETERBOROUGH LOCK MFG. CO.

**900**—Real bronze ..... Per dozen $5.00
**901**—Berlin bronzed ..... Per dozen 1.00
**902**—Bronze plated ..... Per dozen 2.50
**903**—English bronze ..... Per dozen 2.50



Full size of cut.

**2900**—Real bronze ..... Per dozen $5.00
**3900**—Berlin bronzed ..... Per dozen 1.00
**3901**—Berlin bronzed, real bronze lever ..... Per dozen 2.00
**4900**—Bronze plated ..... Per dozen 2.50
**5900**—English bronze ..... Per dozen 2.50

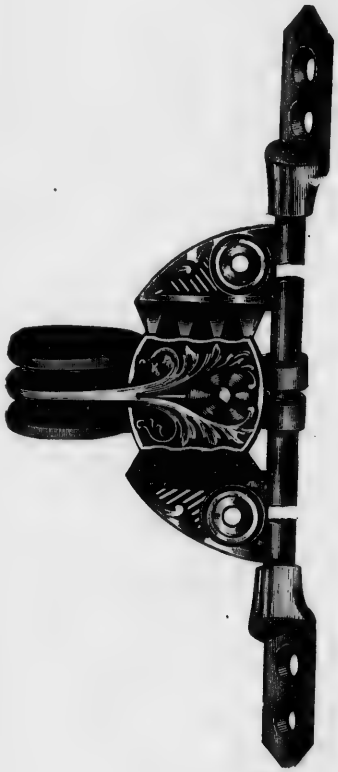


Full size of cut.

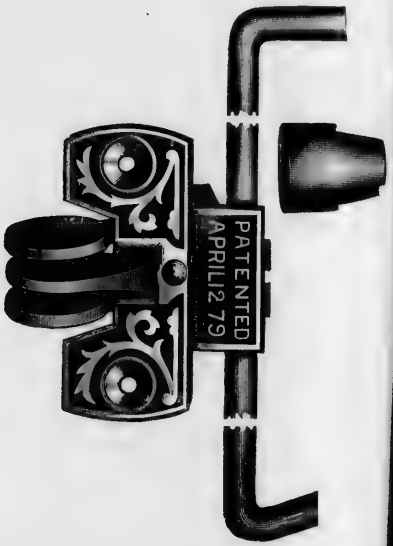
**1900**—Highly polished bronze ..... Per dozen $5.00
**1901**—Highly polished brass ..... Per dozen 5.00
**1902**—Nickel-plated ..... Per dozen 6.00

## COOK'S SASH SUPPORT AND LOCK

**Simple, Secure and Reliable**



Surface.




Mortise.

Can be easily applied to any sash, with or without weights, old or new.

Securely locks sash, open or closed, at any point.

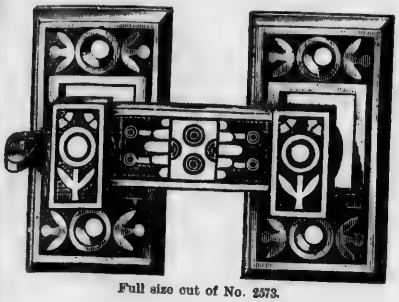
SURFACE—For Lower Sash only.

| | |
|---|---|
| Berlin bronzed | Per dozen $3.00 |
| Real bronze | Per dozen 5.00 |

MORTISE.

| | |
|---|---|
| Berlin bronzed, for upper sash | Per dozen $3.00 |
| Berlin bronzed, for lower sash | Per dozen 3.00 |
| Real bronze, for upper sash | Per dozen 5.00 |
| Real bronze, for lower sash | Per dozen 5.00 |

## SHUTTER BARS

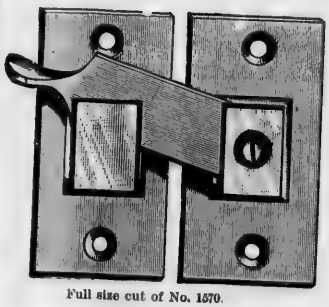


Full size cut of No. 2573.

PETERBOROUGH LOCK MFG. CO.

| | | |
|---|---|---|
| No. **2572**—2 inch, real bronze | Per dozen | $3.00 |
| No. **3572**—2 inch, Berlin bronzed | Per dozen | 0.80 |
| No. **4572**—2 inch, bronze plated | Per dozen | 1.40 |
| No. **2573**—2½ inch, real bronze | Per dozen | 3.25 |
| No. **3573**—2½ inch, Berlin bronzed | Per dozen | 0.90 |
| No. **4573**—2½ inch, bronze plated | Per dozen | 1.50 |

One dozen in a box.

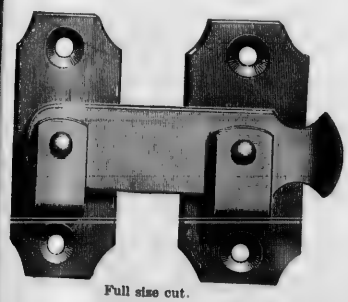


Full size cut of No. 1570.

PETERBOROUGH LOCK MFG. CO.

| | | |
|---|---|---|
| No. **1570**—2 inch, highly polished bronze | Per dozen | $3.25 |
| No. **1571**—2 inch, highly polished brass | Per dozen | 3.25 |
| No. **1572**—2 inch, nickel-plated | Per dozen | 3.60 |
| No. **1573**—2½ inch, highly polished bronze | Per dozen | 3.50 |
| No. **1574**—2½ inch, highly polished brass | Per dozen | 3.50 |
| No. **1575**—2½ inch, nickel-plated | Per dozen | 4.00 |

One dozen in a box.



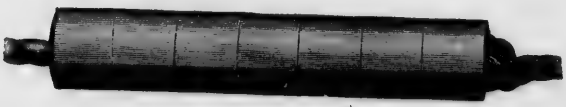
Full size cut.

WROUGHT STEEL, BRONZED.

| | | |
|---|---|---|
| No. **450**—2 inch | Per dozen | $1.05 |

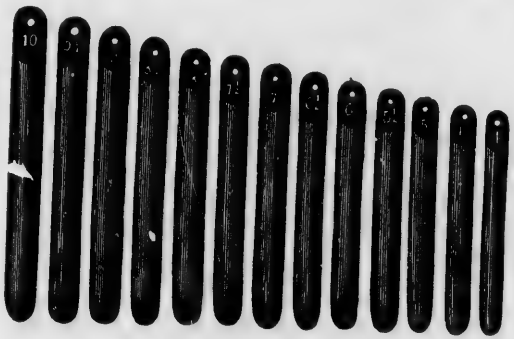
One dozen in a box.

## SECTIONAL SASH WEIGHTS



Sectional sash weights.....Per pound $0.02½

## Solid Sash Weights



Solid sash weights.....Per pound $0.02

## Solid Braided Cordage

Braided sash cord, white cotton.....Per pound $0.45

100 feet in a hank, or in 10 pound coils.

Braided sash cord, Baltic, in coils.....Per pound 0.36

## JAPANNED SASH ROLLERS

No. 10.

Full size cut of ⅜ inch.

JAPANNED.

| Inch | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 |
|---|---|---|---|---|---|
| No. 10—Per gross | $2.10 | 2.50 | 3.50 | 5.25 | 7.25 |

⅜ to 1 inch, half gross in a box; 1¼ inch, quarter gross.

Full size cut of No. 1.

### Extra Heavy

JAPANNED.

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Width of plate. | 1 | 1½ | 1½ inch. |
| Per dozen | $0.55 | .85 | 1.20 |

One-twelfth gross in a box.

## Sash Centres or Transom Plates

Full size cut of No. 1.

Full size cut of No. 22.

Full size cut of No. 2.

JAPANNED.

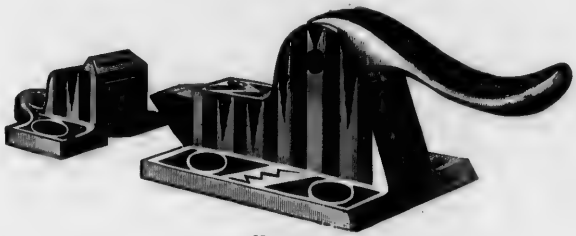
All numbers have 4 pieces in a set.

| Nos | 1 | 22 | 2 heavy |
|---|---|---|---|
| Per gross sets | $4.00 | 6.25 | 8.25 |

One quarter gross sets in a box.

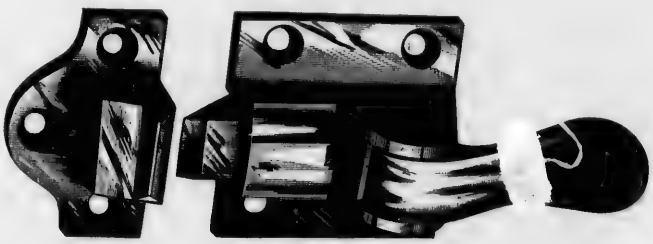
## REFRIGERATOR CATCHES

PETERBOROUGH LOCK MFG. CO.



No. 1021.

No. **1021**—1½ inch, bronze plated ..... Per dozen $4.50
No. **1023**—2 inch, Berlin bronze ..... Per dozen 4.50



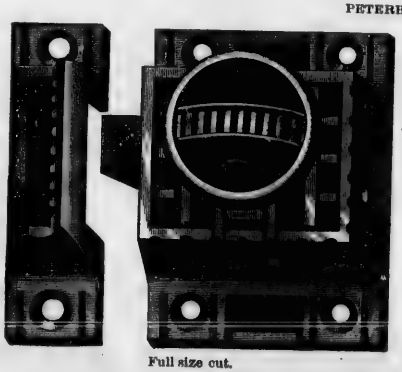
No. 1026.

No. **1026**—1½ inch, highly polished bronze ..... Per dozen $9.00

One dozen in a box.

## Cupboard Turns

PETERBOROUGH LOCK MFG. CO.



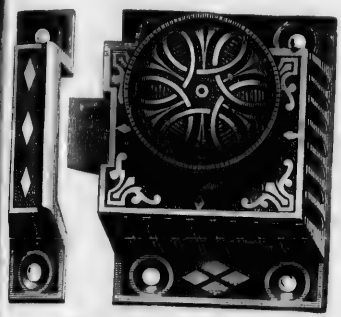
Full size cut.

With Bronze Metal Knob.

No. **3402**—Berlin bronze ..... Per dozen $3.50
No. **4402**—Bronze plated ..... Per dozen 3.00

One dozen in a box.

## CUPBOARD TURNS



Full size cut of No. T4230. Patented.

### Patent Triangular Bolt.

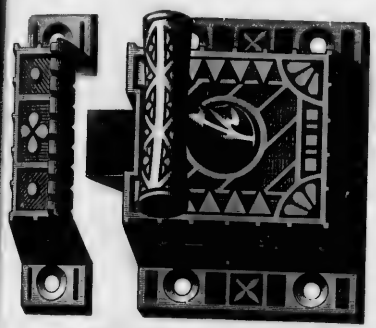
Tuscan Bronzed Knob.

No. **T4230**—Tuscan bronzed, with screws.....Per dozen $1.45

Bronze Metal Knob.

No. **T4430**—Tuscan bronzed, with screws....Per dozen 1.95
No. **K4430**—Tokio bronzed, with screws.....Per dozen 3.30

One dozen in a box.



No. 4432A, etc. Full size cut. Patented.

### Patent Triangular Bolt.

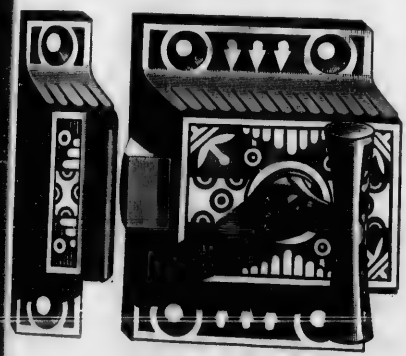
Tokio Bronzed T Handle.

No. **T4232A**—Tuscan bronzed, with screws...Per dozen $1.75

Bronze Metal T Handle.

No. **T4432A**—Tuscan bronzed, with screws...Per dozen 1.95

One dozen in a box.



Full size cut.

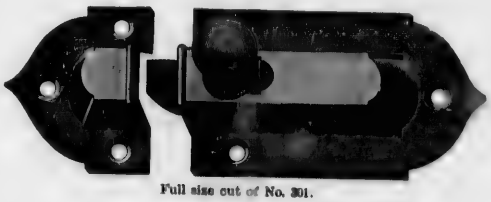
PETERBOROUGH LOCK MFG. CO.

Bronze Metal T Handle.

No. **1104**—Real bronze.....Per dozen $6.00
No. **1105**—Berlin bronzed.....Per dozen 2.30
No **1106**—Bronze plated.....Per dozen 3.00

One dozen in a box.

## CUPBOARD CATCHES

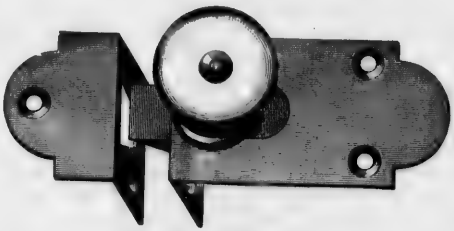


Full size cut of No. 301.

Japanned, Brass Knob.

No. **301** ..... Per gross

Quarter gross in box.



Full size cut of No. 2506.

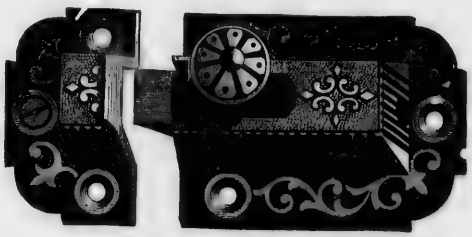
**Patent Triangular Bolt**

Wrought Brass, Porcelain Knob.

No. **2505**... ..... Per gross

No. **2506**..... Per gross

Quarter gross in a box.



Full size cut . . No. 262.

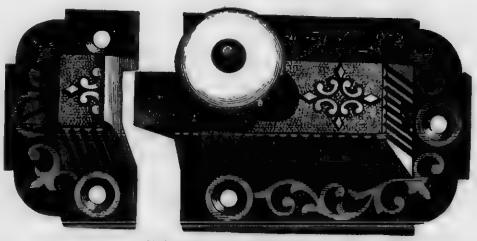
**Patent Triangular Bolt**

Packed with screws to match.

Bronze Metal Knob.

No. **262**—Tuscan bronzed ..... Per gross

One-sixth gross in a box.



Full size cut of No. 267.

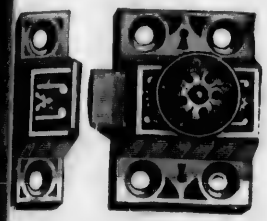
Porcelain Knob.

No. **267**—Tuscan bronzed.. ... ..... Per gross

One-sixth gross in a box.

No. **900**—2 x 2½ inch
No. **901**—2 x 2½ inch
No. **902**—2 x 2½ inch
No. **903**—2 x 2½ inch
No. **904**—2 x 2½ inch
No. **905**—2 x 2½ inch
No. **906**—2 x 2½ inch
No. **907**—2 x 2½ inch
No. **908**—2 x 2½ inch
No. **405**—Highly poli

## CUPBOARD CATCHES

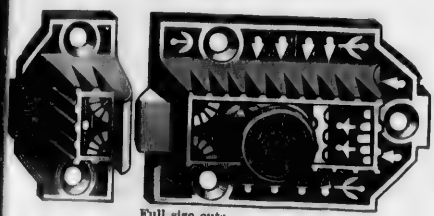


PETERBOROUGH LOCK MFG. CO.

Bronze Metal Knob.

| | | |
|---|---|---|
| No. **1113**—Real bronze | Per dozen | $3 00 |
| No. **1114**—Berlin bronzed | Per dozen | 1.10 |
| No. **1115**—Bronze plated | Per dozen | 1.60 |

One dozen in a box.



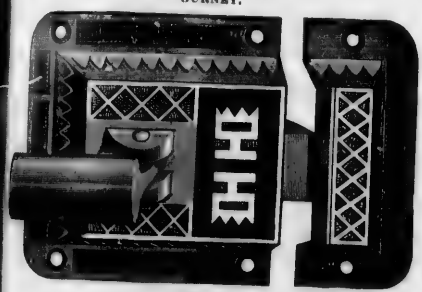
Full size cuts.

Bronze Metal Knob.

| | | |
|---|---|---|
| No. **1110**—Real bronze | Per dozen | $3.70 |
| No. **1111**—Berlin bronzed | Per dozen | 1.40 |
| No. **1112**—Bronze plated | Per dozen | 2.00 |

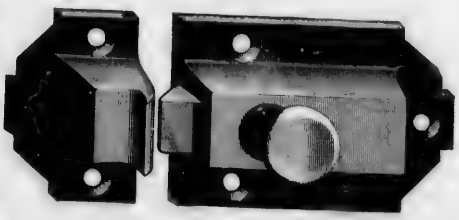
One dozen in a box.

GURNEY.



No. 903

PETERBOROUGH LOCK MFG. CO.

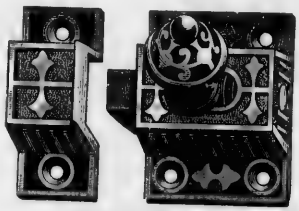


Full size cut of No. 405.

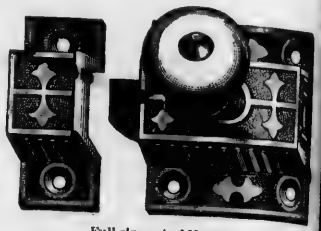
| | | |
|---|---|---|
| No. **900**—2 x 2¾ inches, plain brass | Per dozen | $6.00 |
| No. **901**—2 x 2¾ inches, nickel-plated on brass | Per dozen | 7.50 |
| No. **902**—2 x 2¾ inches, plain bronze | Per dozen | 6.50 |
| No. **903**—2 x 2¾ inches, ornamental bronze | Per dozen | 6.00 |
| No. **904**—2 x 2¾ inches, ornamental bronze, dark enamelled | Per dozen | 6.00 |
| No. **905**—2 x 2¾ inches, ornamental imitation, bronzed | Per dozen | 4.00 |
| No. **906**—2 x 2¾ inches, ornamental Geneva bronzed | Per dozen | 4.00 |
| No. **907**—2 x 2¾ inches, ornamental Berlin bronzed | Per dozen | 4.00 |
| No. **908**—2 x 2¾ inches, ornamental Grant bronzed | Per dozen | 4.00 |
| No. **405**—Highly polished bronze | Per dozen | 5.00 |

One dozen in a box.

## FRENCH WINDOW CATCHES



Full size cut of No. 3210.



Full size cut of No. 3216.

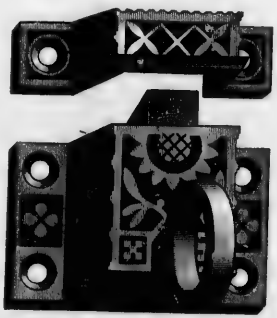
Bronze Metal Knob.

No. **3210**—Tuscan bronzed, with screws..Per gross $9.75

Porcelain Knob.

No. **3216**—Tuscan bronzed, with screws. Per gross $10.00

One-sixth gross in a box.



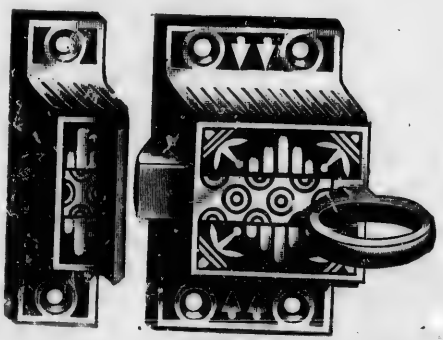
Full size cut of No. 3443A.

### Transom Catches

**Patent Triangular Bolt.**

No. **3443A**—Berlin bronzed.....Per dozen $1.50

One-sixth gross in a box.



Full size cut.

PETERBOROUGH LOCK MFG. CO.

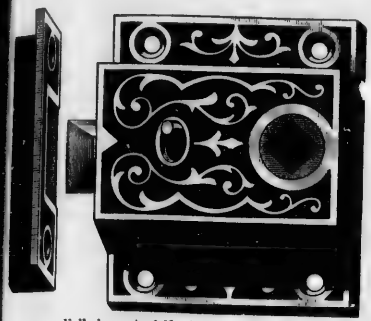
No. **1107**—Real bronze.....Per dozen $5.00

No. **1108**—Berlin bronzed.....Per dozen 2.30

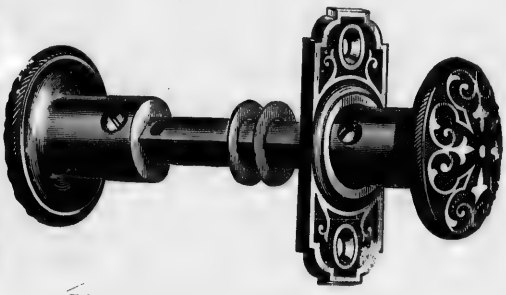
No. **1109**—Bronze plated.....Per dozen 3.00

One dozen in a box.

## SCREEN DOOR CATCHES



Full size cut of No. T6440, bent strike.



Full size cut of knobs. For doors ⅞ to 1⅛ inches thick.

### Reverse Bevel Bronzed Latch

With Bronzed Knob.

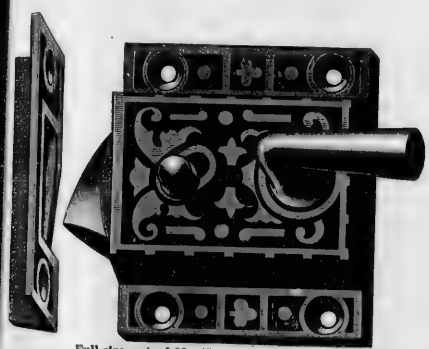
No. **T6440**—Tuscan bronzed, with screws.....Per dozen **$2.40**

No. **1102**—Berlin bronze.....Per dozen **3.00**

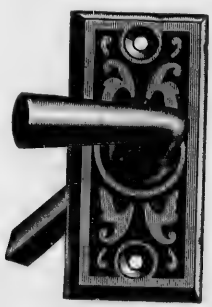
Bronze Metal Knobs.

PETERBOROUGH LOCK MFG. CO.

No. **1103**—Berlin bronze, bronze metal knobs.....Per dozen **5.00**



Full size cut of No. T5461A. Patented.



Full size cut.

Lever handle for outside.

WITH LEVER HANDLES.

### Reverse Bevel, Bent Strike, Patent "Diamond" Bolt

Suitable for doors ⅞ to 1¼ inches thick.

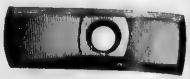
No. **T5461A**—Tuscan bronzed lever handles and latch, packed with screws.....Per dozen **$2.25**

Half dozen in a box.

## DOOR BUTTONS

Full size cut of 1½ inch.
No. 10.

No. 30.



No. 5.

JAPANNED.

| Inch | | | | | |
|---|---|---|---|---|---|
| No. **10** | | 1 3-4 | | 2 | 2 1-4 |
| No. **30** | Per gross | $0.70 | .... | .85 | .... |
| | Per gross | .70 | .... | .85 | .... |

One gross in a box.

BRASS.

| Inch | | | | | |
|---|---|---|---|---|---|
| No. **5** | | 1 1-4 | | | 1 1-2 |
| | Per gross | $4.50 | .... | | 5.00 |

Half gross in a box.

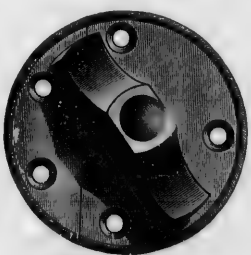
## Japanned Door Buttons on Plates

Full size cut of 1½ inch.

| Inch | | | | | |
|---|---|---|---|---|---|
| No. **20** | | 1 1-2 | | 2 | 2 1-2 |
| | Per gross | $2.25 | .... | 2.80 | .... 4.40 |

Half gross in a box.

## Brass Door Buttons on Plates



Full size cut of 1½ inch.

Cast Brass, Polished and Lacquered.

| Inch | | | | |
|---|---|---|---|---|
| No. **5140** | | 1 3-4 | | 2 |
| | Per dozen | $1.50 | .... | 1.80 |

Half gross in a box.

## DRAWER PULLS

Full size cut.

No. **100** -Japanned.....Per gross $1.50

One-sixth gross in a box.

Full size cut of No. 110.

No. **110**—Japanned.....Per gross $1.90

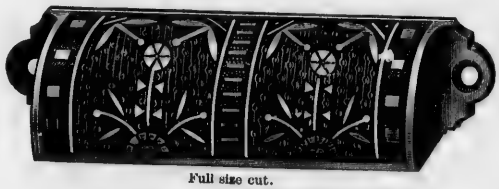
Quarter gross in a box.

Full size cut.

No. **1**—Japanned.....Per gross $1.50

Quarter gross in a box.

## DRAWER PULLS



Full size cut.

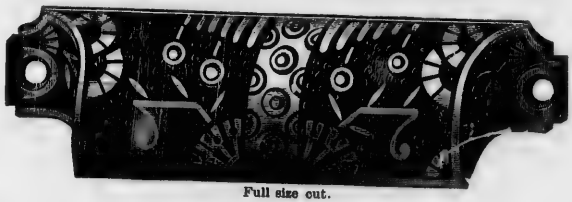
No. **30**—Royal bronze.....Per gross $3 75

Quarter gross in a box.

Full size cut.

No. **40**—Royal bronze.....Per gross $3.75

Quarter gross in a box.



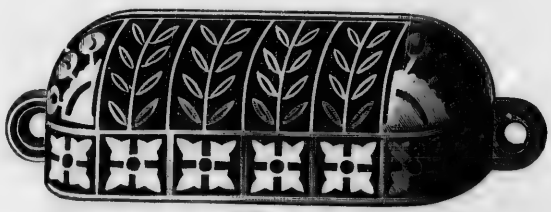
Full size cut.

No. **50**—Royal bronze.....Per gross $4.25

PETERBOROUGH LOCK MFG. CO.

No. **4432**—3½ inch, bronze plated.....Per gross 7.50

Quarter gross in a box.



Full size cut.

No. **60**—Royal bronze.....Per gross $3.75

Quarter gross in a box.

## DRAWER PULLS

PETERBOROUGH LOCK MFG. CO.

Berlin Bronzed.

No. 3423—3½ inch.....Per gross $3.75
No. 3424—4 inch.....Per gross 4.00
No. 3425—4½ inch.....Per gross 4.25

Bronze Plated.

No. 4423—3½ inch.....Per gross $7.50
No. 4424—4 inch.....Per gross 8.00
No. 4425—4½ inch.....Per gross 8.50

Quarter gross in a box.

Full size cut.

No. 65—Royal bronze.....Per gross $4.50

Quarter gross in a box.

PETERBOROUGH LOCK MFG. CO.

No. 3430—4 inch, Berlin bronzed.....Per gross $5.00

Quarter gross in a box.

## DRAWER PULLS

Full size cut.

No. **575**—Tuscan bronzed, packed with screws ..... Per gross $4.50

Full size cut.

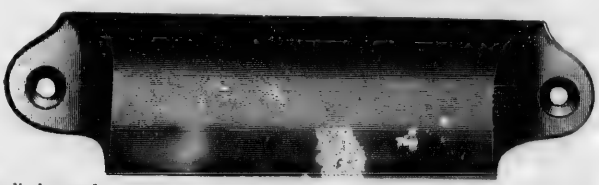
No. **475**—Tuscan bronzed, packed with screws ..... Per gross $3.00

Full size cut.

No. **375**—Tuscan bronzed, packed with screws ..... Per gross $4.50

One-sixth gross in a box.

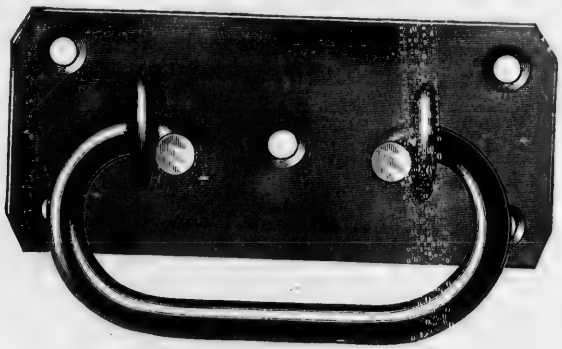
PETERBOROUGH LOCK MFG. CO.



No. **3435**—3½ inch Berlin bronzed ..... gross $4.00
No. **4435**—3½ inch bronze plated ..... gross $5.00

Quarter gross in a box.

## WROUGHT CHEST HANDLES

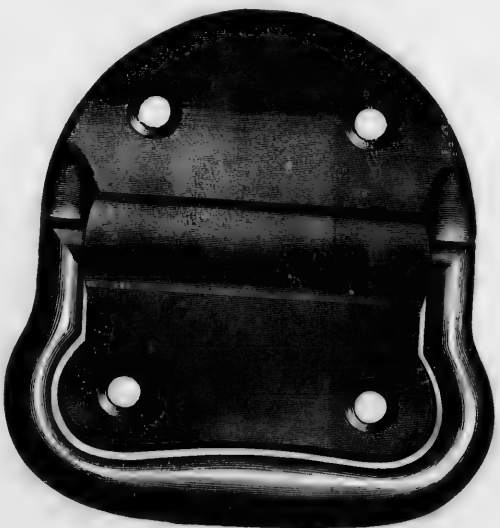


Full size cut of No. 1.

JAPANNED.

| Nos. | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Size, inch | 3¼ | 4 | 4½ | 4¼ | 5 |
| Per dozen pairs | $0.45 | .60 | .80 | .85 | 1.00 |

## Surface Chest Handles



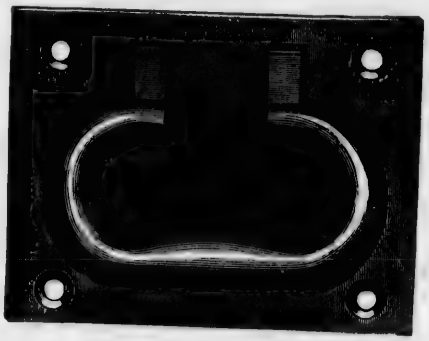
Full size cut of No. 11.

JAPANNED.

| Nos. | 1 | 2 | 3 |
|---|---|---|---|
| Size of handle, inch | 3½ x 3 | 3⅝ x 3½ | 4½ x 4¼ |
| Per dozen pairs | $1.15 | 1.80 | 2.80 |

Half dozen in a box.

## FLUSH CHEST HANDLES



Full size cut of No. 31.

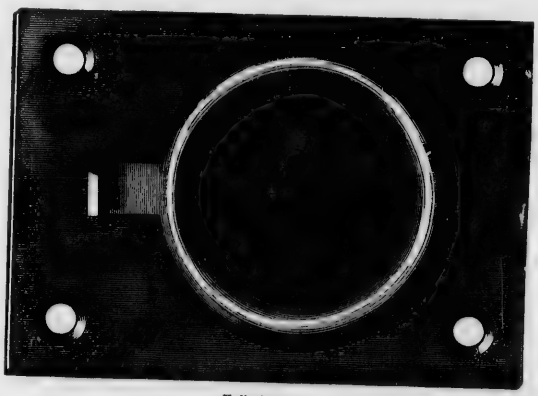
JAPANNED.

| Nos | 31 | 32 | 33 | 34 |
|---|---|---|---|---|
| Size of handle, inch | 2¾ | 3 | 3½ | 3¾ |
| Per dozen pairs | $1.50 | 1.95 | 3.50 | 4.10 |

Nos. 31 and 32, half dozen pairs in a box.

Nos. 33 and 34, quarter dozen pairs.

## Flush Trap Door Rings



Full size cut.

JAPANNED.

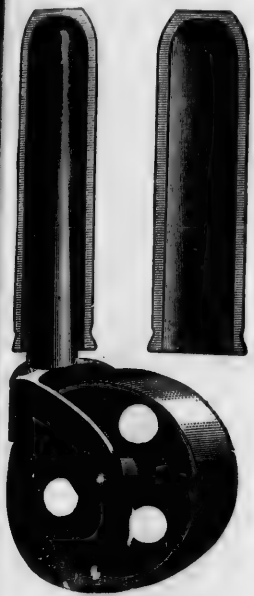
No. 1 ..... Per dozen $1.00

One dozen in a box.

Full size

Full size

## BEDSTEAD CASTERS



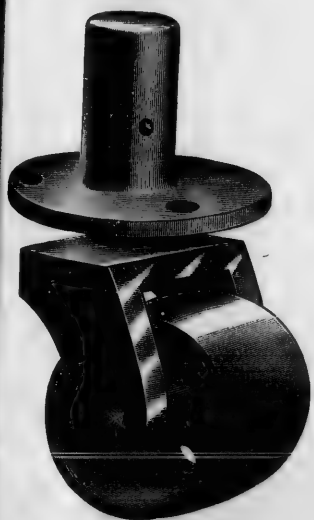
Full size cut 1¼ x 3.

All Iron

Copper Bronzed

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 5-8 inch | 1 | .... | 2 | .... | 3 |
| Per set | $0.14 | .... | .16 | .... | .18 |
| 2 inch | | .... | 1 | .... | 2 |
| Per set | | .... | $0.20 | .... | .21 |

Six sets in a box.



Full size cut of No. 3.

### Pianoforte Casters

All Iron

Long Stem

No. 3—Turned iron wheel.... .... ....Per set $0.45 net

Four sets in a package.

## PLATE CASTERS

### Long Wrought Pivot.

Full size cut of No. 3.

**Copper Bronzed,**

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Diameter of wheel, inch | ⅝ | 1 | 1⅛ | 1¼ | 1⅜ | 1 7/16 |
| Per set | $0.12 | .14 | .16 | .18 | .22 | .27 |

**Copper Bronzed, Porcelain Wheel.**

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Diameter of wheel, inch | ⅝ | 1 | 1⅛ | 1¼ | 1⅜ | 1 7/16 |
| Per set | $0.14 | .15 | .16 | .19 | .24 | .29 |

Six sets in a box.

### Philadelphia Pattern Plate Casters.

Full size cut of No 3.

**All Iron, Copper Bronzed.**

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per set | $0.12 | .13 | .15 | .17 | .19 | .22 |

**Iron Horn, Porcelain Wheel**

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per set | $0.14 | .15 | .17 | .19 | .21 | |

Six sets in a box.

## PAYSON'S ANTI-FRICTION CASTERS

Style of 184 x 37.

**Bronzed Iron, Oblong Plate, Iron Wheel.**

1⅜ inch wheel. 1⅞ inch plate.

No. **184 x 37** ..... ....Per set $0.50

One set in a box.

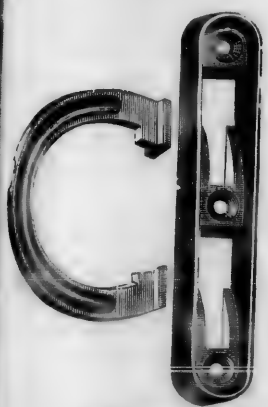
Full size cut of No. 4.

### Martin's Patent Casters

**Bronzed Iron, Round Plate, Iron Wheels.**

| No. | Per set. | Diameter of wheel. | Face of wheel. | Size of plate. | Height from floor. |
|---|---|---|---|---|---|
| **2**..... | $0.80 | 1 inch | 5/16 inch | 1¼ inch | 1½ inch |
| **3**..... | .85 | 1⅜ inch | ⅜ inch | 1⅝ inch | 1⅞ inch |
| **4**..... | .90 | 1⅝ inch | ½ inch | 1⅞ inch | 2¼ inch |
| **5**..... | 1.00 | 1⅞ inch | 9/16 inch | 2⅛ inch | 2¾ inch |
| **10**..... | 2.00 | 3½ inch | ¾ inch | 3⅜ inch | 4½ inch |

All sizes (except No. 10) one set in a box.



Bed Fasteners.
One-half size cut No. 2.

### Horse Shoe Bed Fasteners

No. **2**.....Per set $0.10

50 sets in a box.

### Wire Springs

Best coppered steel wire sofa springs..Per lb. $0.06¾

Packed in barrels.

All classes of steel wire springs supplied to order.

Sofa Springs.

No. 825

## STORE TRUCK CASTERS

STATIONARY.

No. **823**—Japanned, 3 inch wheel .....each $0.30

WIDE WHEEL.

Wheel 2 inches wide.

Japanned.

No. **1825**—4½ inch wheel, 2 inches wide.....each $0.75

No. 1835.

## Store Truck Casters

SWIVEL.

No. **833**—Japanned, 3 inch wheel.....each $0.40

WIDE WHEEL.

Wheel 2 inches wide.

Japanned.

No. **1835**—4½ inch wheel, 2 inches wide .....each $0.85

## FLUSH RINGS

No. 90—Brass flush rings, 1 1-4 inch ..... Per dozen $1.35
No. 90—Brass flush rings, 1 3-8 inch ..... Per dozen 1.65

## Brass Lifting Handles

| No. 2000 | Inch | 2 1-2 | .... | 3 |
|---|---|---|---|---|
| Per single dozen | | $1.50 | .... | 1.95 |

## Brass Cash Box Handles

| No. 5427 | Inch | 3 | .... | 3 1-2 |
|---|---|---|---|---|
| Per dozen | | $2.50 | .... | 3.00 |

## Cupboard Turns

WHITE CHINA.

No. 2365—1 1-4 inch ..... Per dozen $1.35

BLACK CHINA.

No. 2365—1 1-4 inch ..... Per dozen $1.35

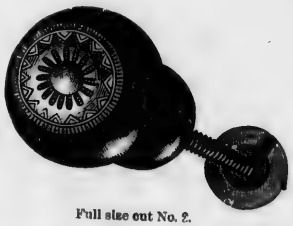
One dozen in a box.

## COMMODE BUTTONS

Full size cut No. 322.

No. **322**—1¼ inch knob, nickel or gilt ..... Per dozen $0.35
No. **323**—1⅛ inch knob, nickel or gilt ..... Per dozen 0.35
No. 322 three dozen in a box. No. 323 one dozen.

## Desk or Drawer Knobs



Full size cut No. 2.

Full size cut No. 3.

No. **2**—Ebony and gilt desk knobs ..... Per dozen $0.45
No. **3**—Ebony and gilt desk knobs ..... Per dozen 0.45
Three dozen in a box.

## Drop Handles

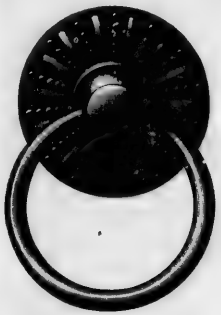
Full size cut No. 060.

Full size cut No. 070.

Full size cut No. 071.

No. **063**—Ebony and gilt drop handles ..... Per dozen $0.70
No. **070**—Ebony and gilt drop handles ..... Per dozen 0.70
No. **071**—Ebony and gilt drop handles ..... Per dozen 0.70
Three dozen in a box.

## RING FURNITURE HANDLES.



No. 1169. Full size cut.

No. **1169**—Nickel. .....Per dozen $0.28

No. 1183. Full size cut.

No. **1183**—Nickel.....Per dozen $0.35

## Drop Furniture Handles.

No. 4574. Full size cut.

No. **4574**—Cast brass .....Per single dozen $1.05

No. 4576. Full size cut.

No. **4576**—Cast brass..... Per single dozen $1.03

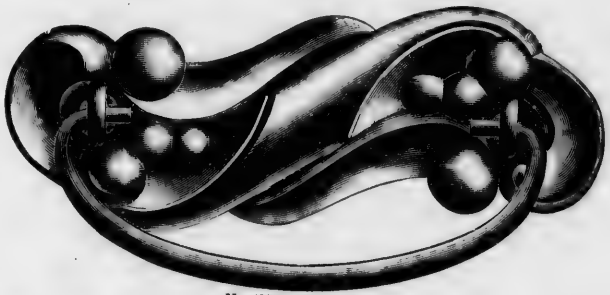
No. 4738. Full size cut.

No. **4738**—Cast brass .....Per single dozen $3.60

No. 4752. Full size cut.

No. **4752**—Cast brass..... Per single dozen $3.00

## DROP FURNITURE HANDLES



No. 1345. Full size cut.

No. **1345**—Sheet metal, oxidized.....Per single dozen $0.48

Six dozen in a box.

No. 1193. Full size cut.

No. **1193**—Brass and oxidized.....Per single dozen $0.48

Six dozen in a box.

No. 4745. Full size cut.

No. **4735**—Cast brass, plain polished bail.....Per single dozen $2.05

No. **4745**—Cast brass, fancy bail (as cut).....Per single dozen 2.25

## DROP FURNITURE HANDLES

No. 4744. Full size cut.

No. **4744**—Cast brass.....Per single dozen $2.25

No. 4736. Full size cut.

No. **4736**—Cast brass .....Per single dozen $2.55

No. 4716. Full size cut.

No. **4716**—Cast brass.....Per single dozen $3.60

## PICTURE KNOBS

Silver-plated Base under Screw Head and under Knob.

No. 90. Full size cut of ¾ inch.

No. 125½.

**No. 90—White Porcelain, Long Screws.**

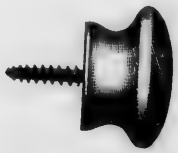
| Inch | 3-4 | 7-8 | 1 |
|---|---|---|---|
| Per gross | $3.00 | 3.25 | 3.50 |

**Black Enamelled Wood, Long Screws.**

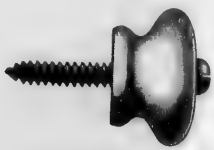
| Nos. | 131 1-2 | 127 1-2 | 125 1-2 |
|---|---|---|---|
| Inch | ⅝ | ¾ | ⅞ |
| Per gross | $2.85 | 3.00 | 3.30 |

One-quarter gross in a box.

## Porcelain Shutter Knobs



No. 1. Full size cut of 1 inch.



No. 15. Full size cut of 1 inch

**No 1—Fast Screw.**

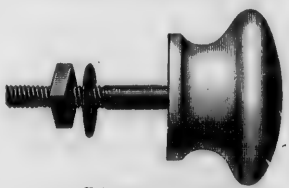
| Inch | 5-8 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|
| Per gross | $3.75 | 3.90 | 4.40 | 6.20 | 7.75 | 11.50 | 13.00 |

**No. 15—Round Head Tinned Screw.**

| Inch | 5-8 | 3-4 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|
| Per gross | $3.35 | 3.50 | 3.75 | 5.50 | 6.75 |

One-quarter gross in a box.

## Porcelain Drawer Knobs



Full size cut of 1½ inch.

**No. 5—Fast Screw, with Nut and Washer.**

| Inch | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|
| Per gross | $6.50 | 8.25 | 9.50 | 11.75 | 13.50 |

One-sixth gross in a box.

No. 115. Full size cut of ½ inch.

## BRASS SIDE PULLEYS.

**No. 115—Wrought Brass, Single Wheel.**

5-8 inch, wrought brass ..... Per dozen $1.50

Two dozen in a box.

No. 35. Full size cut of 1 inch.

## Brass Screw Pulleys

**No. 35—Single Wheel.**

Cast brass, polished and lacquered.

5-8 inch wrought brass ..... Per dozen $1.05
3-4 inch wrought brass ..... Per dozen 1.20

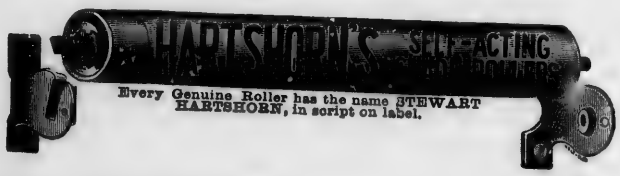
No. 37. Full size cut of ¾ inch.

**No. 37—Double Wheel.**

Cast brass, polished and lacquered.

5-8 inch wrought brass ..... Per dozen $1.65
3-4 inch wrought brass ..... Per dozen 2.00

One dozen in a box.

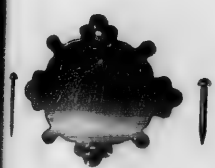



Erminie, 15-16 inch, wood shade rollers, 42 inches long ..... Per gross $18.00

Half gross in a box.

Hartshorn's, 1 inch, wood shade rollers, 42 inches long ..... Per gross 27.00
Hartshorn's, 1¼ inch, wood shade rollers, 48 inches long ..... Per gross 42.00

One-quarter gross in a box.



## Stair Plates

No. **828**—Nickel, concave centre ..... Per gross $3.40
No. **828**—Gilt, concave centre ..... Per gross 3.40
No. **1021**—Gilt, convex centre ..... Per gross 3.00
No. **1021**—Nickel, convex centre ..... Per gross 3.00
No. **1035**—Gilt, concave centre ..... Per gross 3.00
No. **1035**—Nickel, concave centre ..... Per gross 3.00
No. **172**—Bronze, concave centre ..... Per gross 4.80

## Stair Corner Plates

Prevents dust collecting in corners of stairs.

Nickel stair corner plates ..... Per gross $3.40
Gilt stair corner plates ..... Per gross 3.40

Half gross in a box.

## ROUND BRASS STAIR RODS

Turned ends.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | 3 x 18 | .. | 21 | .. | 24 | .. | 27 inch. | . . . | No. | 2 x 30 | .. | 3-8 x 27 | .. | 30 .. 33 inch. |
| Per dozen. | $0.65 | .. | .75 | .. | .85 | .. | .95 | .... | Per dozen. | $1.20 | .. | 1.90 | .. | 2.00 .. 2 40 |

## Stair Rod Eyes

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| No. | 300 x No. 3 | .... | 2 | .... | WROUGHT. | Nos..... | 3 | . . | 2 |
| Per gross.... | $1.75 | .... | 2.00 | ... .. | | Per gross . | $1.75 | ... | 1.75 |

## Brass Drapery Pins

Nos. 321, 0321

Point of hook being bent inward gives secure hold on eye of ring.

No. **0321**—Brass plated wire..... .. ... ..... .....Per gross $0.40
No. **321**—Heavy brass wire .....Per gross 0.55

One gross in a package.

## Picture Hooks

No. 119

No. 127

No. 99

No. 65

No. **119**—1½ inch, brass plated.....Per gross $0.90
No. **99**—1½ inch, (as 119) polished brass.....Per gross 1.05
No. **127**—1½ inch, brass plated .....Per gross 1.50
No. **99**—1½ inch, brass, gilt finish .....Per gross 2.70
No. **65**—1½ inch, brass, gilt finish.....Per gross 2.65

One-quarter gross in a box.

No. **53**—1½ inch, plain brass, nickel-plated.....Per gross 2.30
No. **53**—1½ inch, plain brass, polished.....Per gross 2.30

## BRASS SCREW RINGS

| Inch | 3-8 | 7-16 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|---|
| Nos. | 18 | 18 | 16 | 14 | 14 |
| Per gross | $0.55 | .75 | 1.05 | 1.90 | 2.25 |

One gross in a box.

## Brass Curtain Rings

| Inch | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-4 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nos. | 20 | 20 | 18 | 18 | 18 | 18 | 16 | 16 | 16 | 14 | 10 | 8 |
| Per gross | $0.15 | .17 | .19 | .22 | .23 | .27 | .40 | .55 | .65 | .75 | 1.50 | 1.65 |

Full size cut of 2 inch.

## Brass Cornice Pole Rings

No. **61.**

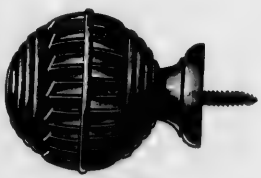
| Inch | 1 3-4 | 2 | 2 1-4 |
|---|---|---|---|
| Per dozen | $0.20 | .30 | .35 |

HEAVY ENGLISH.

No. **701.**

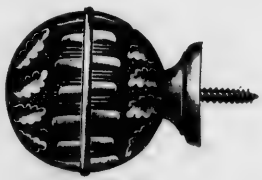
| Inch | 2 1-2 | 3 | 3 1-2 |
|---|---|---|---|
| Per dozen | $0.75 | .90 | 1.85 |

## CORNICE POLE TRIMMINGS



No. 3130

No. **3130**—1½ inch, fancy brass pole sets ..... Per set $0.20



No. 3105

No. **3105**—1½ inch, fancy brass pole sets ..... Per set $0.30
No. **365**—1½ inch, brass, gold lacquered, silver band and ball ..... Per set .90
No. **XX2**—2 inch, brass, polished ..... Per set .50

One set in a package.

### Brass Cornice Pole Ends

Gold lacquered and polished.

No. **1782**—2½ inch, English, heavy brass, fancy pattern ..... Per pair $1.05
No. **1807**—2½ inch, English, heavy brass, fancy pattern ..... Per pair 1.15

One pair in a box.

### Cornice Pole Brackets

No. **69**—1½ inch, brass plated, gilt finish ..... Per pair $0.15
No. **69**—2 inch, brass plated, gilt finish ..... Per pair .18
No. **127**—1½ inch, polished brass ..... Per pair .18
No. **127**—2 inch, polished brass ..... Per pair .26
No. **500**—2½ inch, lacquered brass, heavy English ..... Per pair .08

Twelve pairs in a box.

### Cornice Poles

Oiled and stained. Ebony, Walnut, Antique Oak, Cherry.

1½ inch x 5 feet ..... Per dozen $2.00 | 2 inch x 6 feet ..... Per dozen $3.25

## BRASS TASSEL HOOKS

No. 518

No 40

No. 28

No. 131

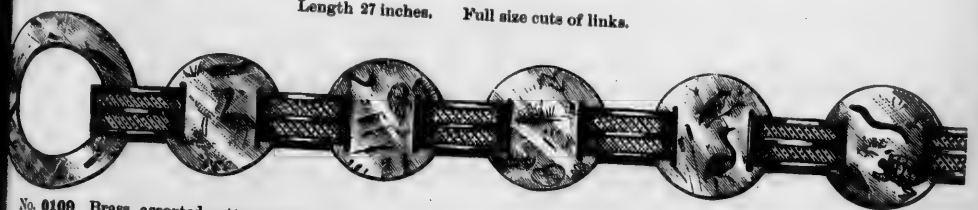
Full size cuts.

No. **518**—Brass, solid shoulder, unpolished ..... Per gross $1.65
No. **40**—Brass, gilt finish ..... Per gross 3.30
No. **28**—Brass, gilt finish ..... Per gross 5.25
No. **131**—Brass, polished ..... Per gross 6.50

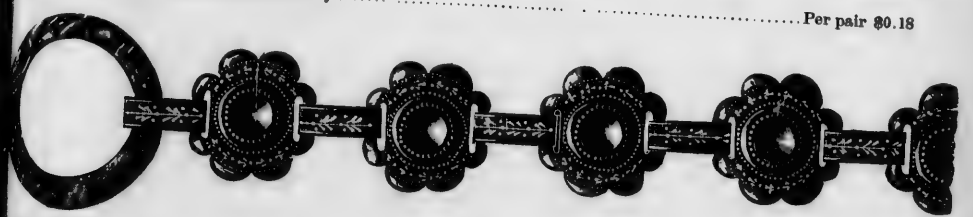
One quarter gross in a box.

## Drapery Chains

Length 27 inches. Full size cuts of links.



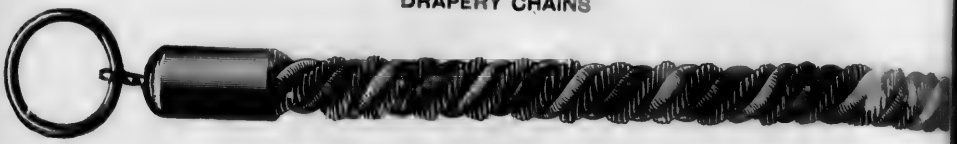
No. **0109** Brass, assorted patterns, fancy ..... Per pair $0.18



No. **436**—Brass ..... Per pair $0.27

No. **327**—Gilt ..... Per pair $0.27
No. **328**—Silver ..... Per pair .33

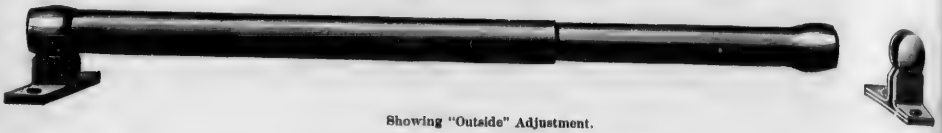
## DRAPERY CHAINS



Length, 27 inches. Full size cut of links.

No. **428**—Silver, gold and bronze ..... Per pair $1.00

## Adjustable Sash Rods



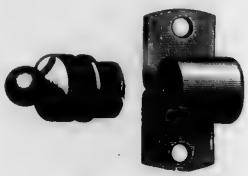
Showing "Outside" Adjustment.

Length, 24 inches. Extending to 44 inches.

No. **8802**—Brass polished ..... Per dozen $2.80

## Vestibule and Sash Rod Sockets and Brackets

Style of Nos. 14 and 18.



Style of Nos. 0152 and 0156.

Brass, with slotted head, screw, ½ inch ..... Per dozen pairs $0.50
Brass, with slotted head, screw, ⅝ inch ..... Per dozen pairs 1.20
No. **14**—Brass, gilt finish, ½ inch ..... Per dozen pairs 1.00
No. **18**—Brass, gilt finish, ⅝ inch ..... Per dozen pairs 1.05
No. **0152**—Brass, gilt finish, ½ inch ..... Per dozen pairs 1.00
No. **0156**—Brass, gilt finish, ⅝ inch ..... Per dozen pairs 1.10

Three dozen pairs in a box.

## Vestibule Rod Rings

No. 4

No. 26

No. **4**—Brass, gilt finish, ⅝ inch ..... Per gross $1.00
No. **4**—Brass, gilt finish, ¾ inch ..... Per gross 1.10
No. **26**—Brass, gilt finish, ½ inch ..... Per gross 1.15
No. **26**—Brass, gilt finish, ⅝ inch ..... Per gross 1.30

## SHADE PULLS

Full size cuts.

No. 50.

No. 52. Cut of 2 inch.

No. 50—Nickel, polished, 1½ inch ..... Per gross $2.50
No. 52—Nickel, polished, 1½ inch ..... Per gross 2.85

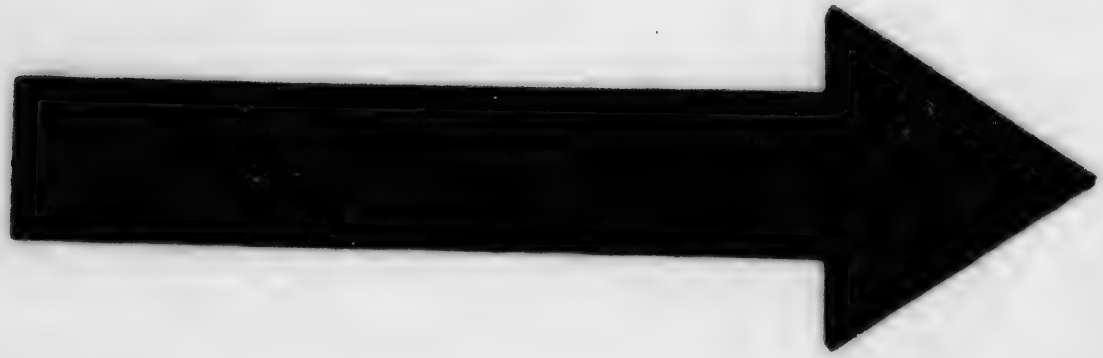
One quarter gross in a box.

No. 50½.

No. 052.

No. 50 1-2—Nickel, 2 inch .....
No. 052—Silvered, 1½ inch ..... Per gross $3.30
..... Per gross 4.00

One quarter gross in a box.



## CHANDELIER HOOKS

No. 450. Full size cut of 2¼ inch screw.

**No. 450—Berlin Bronzed.**

Steel screw.

| | | | |
|---|---|---|---|
| Length of screw..... ..... | 2 1-2 inch | .... | 4 inch |
| Per dozen .... .... ..... | $0.70 | .... | .90 |

One dozen in a box.

No 410. Full size cut of 6 inch screw.

**No. 410—Berlin Bronzed.**

Steel wire.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Length of screw..... | 3 | .... | 4 | .... | 6 | .... | 8 | .... | 10 |
| Per dozen ..... | $0.90 | .... | 1.00 | .... | 1.15 | .... | 1.35 | .... | 1.60 |

One dozen in a box.

## CHANDELIER HOOKS

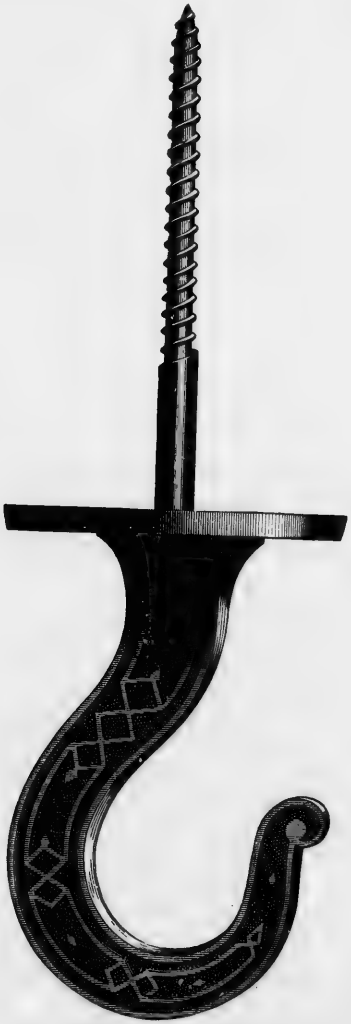
No. 470. Full size cut of 4 inch screw.

**No. 470—Berlin Bronzed.**

Steel screw, with base.

| Length of screw | 4 | 6 | 8 | 10 |
|---|---|---|---|---|
| Per dozen | $1.80 | 2.10 | 2.50 | 2.90 |

One dozen in a box.



No. 240. Grecian Pattern. Full size cut of 4 inch screw.

**No. 240—Tuscan Bronzed.**

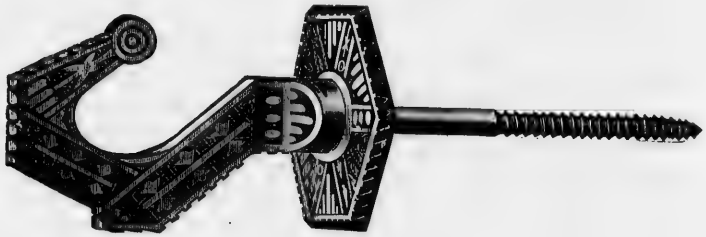
Steel screw, with base.

| Length of screw | 3 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|
| Per dozen | $0.85 | 1.05 | 1.30 | 1.65 | 2.05 |

One dozen in a box.

## CHANDELIER HOOKS

PETERBOROUGH LOCK MFG. CO.



Full size cut of No. 1175.

BERLIN BRONZED.

| Nos | 1175 | 1176 | 1177 | 1178 |
|---|---|---|---|---|
| Length, inch | 3 | 4 | 6 | 8 |
| Per dozen | $1.00 | 1.20 | 1.40 | 1.60 |

BRONZE PLATED.

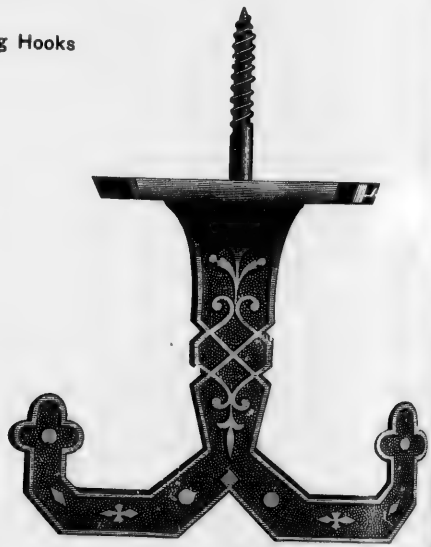
| Nos | 1179 | 1180 | 1181 | 1182 |
|---|---|---|---|---|
| Length, inch | 3 | 4 | 6 | 8 |
| Per dozen | $1.50 | 1.70 | 1.90 | 2.10 |

One dozen in a box.

## Ceiling Hooks

Full size cut of No. 32.

No. **32**—Japanned, cast screw.....Per gross $2.25
Half gross in a box.



Full size cut of No. 39. Patented.

No. **39**—With base, steel screw..... Per gross $7.50
Quarter gross in a box.

## BRIGHT AND BRASS WIRE SCREW HOOKS

Full size cuts.

PRICE PER GROSS.

BRIGHT WIRE.

| Nos. | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.27 | .34 | .39 | .50 | .60 | .75 | .85 | 1.00 | 1.30 | 1.65 |

BRASS WIRE.

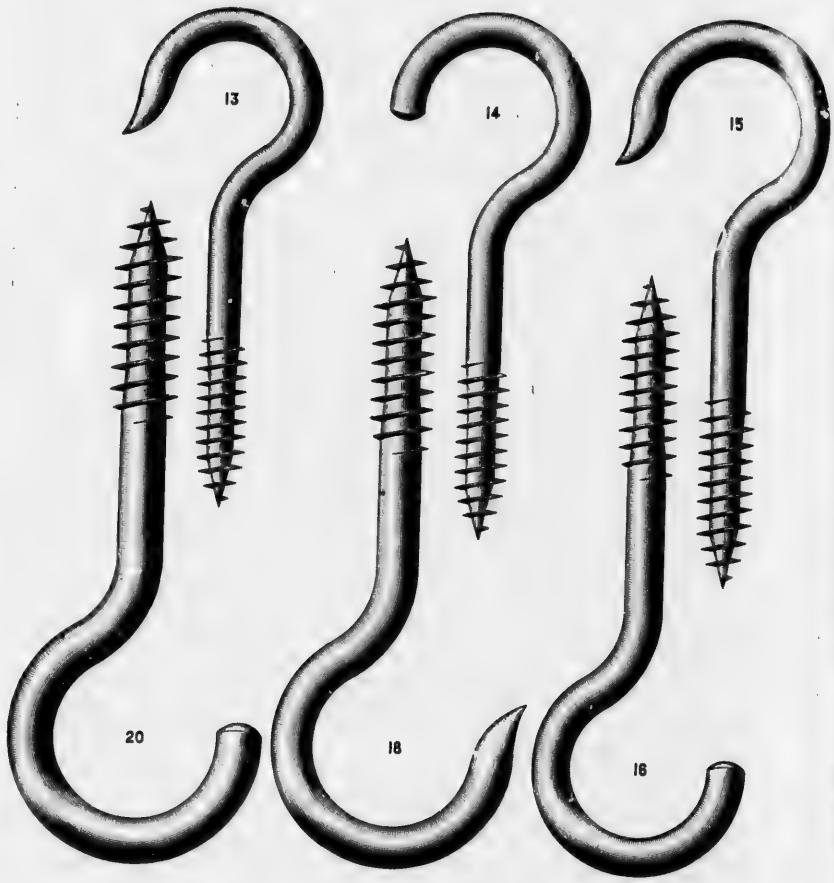
| Nos. | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.45 | .65 | .85 | 1.15 | 1.50 | 2.00 | 2.50 | 3.20 | 4.10 | 5.10 |

One gross in a box.

All hooks supplied with sharp points. Can furnish with blunt points as Nos. 4, 6, 8, 10 and 12 to order.

## BRIGHT AND BRASS WIRE SCREW HOOKS

Full size cuts.




PRICE PER GROSS.

BRIGHT WIRE.

| Nos. | 13 | 14 | 15 | 16 | 18 | 20 |
|---|---|---|---|---|---|---|
| Per gross | $2.00 | 2.40 | 2.90 | 3.50 | 4.25 | 5.70 |

BRASS WIRE.

| Nos. | 13 | 14 | 15 | 16 | 18 | 20 |
|---|---|---|---|---|---|---|
| Per gross | $6.80 | 7.40 | 8.80 | 10.60 | 13.40 | 16.90 |

One gross in a box.

All hooks supplied with sharp points. Can furnish with blunt points as Nos. 14, 16 and 20 to order.

## BRASS CUP HOOKS

Full size cut of ¼ inch.

Full size cut of 1 inch.

Full size cut of 1¼ inch.

**No. 81—Brass wire, polished and lacquered.**

| Inch | 1-2 | 5-8 | 3-4 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|
| Per gross | $0.90 | 1.00 | 1.05 | 1.30 | 2.20 | 2.70 |

Half gross in a box.

**Brassed Shouldered Cup Hooks**

| Inch | 5-8 | 3-4 | 1 |
|---|---|---|---|
| Per gross | $1.00 | 1.10 | 1.75 |

One gross in a package.

## Brass Screw Hooks

Full size cut of ½ inch.

Full size cut of 1 inch.

**No. 412—Brass wire, polished and lacquered.**

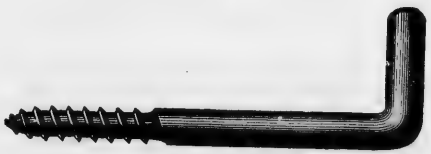
| Inch | 1-2 | 5-8 | 3-4 | 1 | 1 1-4 |
|---|---|---|---|---|---|
| Per gross | $0.75 | 0.80 | 1.00 | 1.20 | 1.35 |

**Brassed Shouldered Square Hooks**

| Inch | 3-4 | 1 | 1 1-4 |
|---|---|---|---|
| Per gross | $1.05 | 1.65 | 2.25 |

One gross in a package.

## Bright Wire Screw Hooks



**Square**

| Inch | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 |
|---|---|---|---|---|---|---|---|---|
| Gauge | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10 |
| Per gross | $0.40 | .53 | .67 | .80 | 1.00 | 1.40 | 1.80 | 2.20 |

One gross in a package.

**Bright Wire Shouldered Square Hooks**

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|
| Per gross | $0.70 | .95 | 1.20 | 1.25 |

One gross in a package.

## MALLEABLE IRON BED HOOKS AND EYES

No. 50

Full size cut of 2 inch.

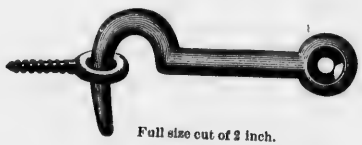
**Coppered Iron, oval, either right or left hand.**

| Inch | 1 1-2 | .... | 2 | .... | 2 1-2 |
|---|---|---|---|---|---|
| Per gross | $0.60 | .... | .75 | .... | 1.10 |

One gross in a box.

## Brass Hooks and Eyes

No. 60



Full size cut of 2 inch.

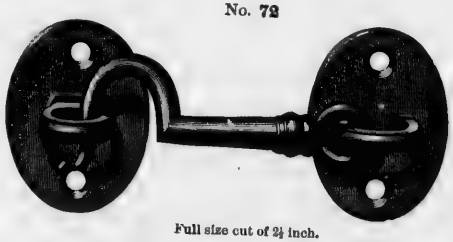
**Double Convex, either right or left hand, heavy.**

| Inch | 1 | .... | 1 1-2 | .... | 2 | .... | 2 1-2 |
|---|---|---|---|---|---|---|---|
| Per gross | $1.50 | .... | 1.65 | .... | 2.25 | .... | 3.25 |

One gross in a box.

## Brass Cabin Door Hooks

No. 72



Full size cut of 2½ inch.

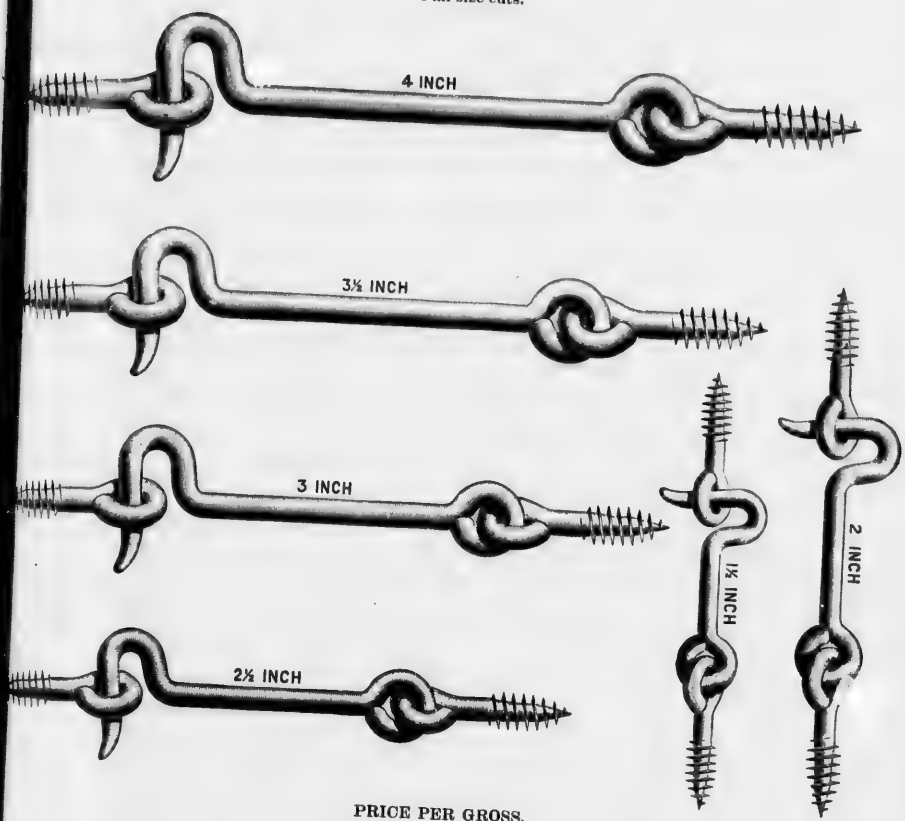
**Cast Brass, polished and lacquered.**

| Inch | 2 1-2 | ..... | 3 |
|---|---|---|---|
| Per dozen | $1.80 | ..... | 2.05 |

Two dozen in a box.

## BRIGHT AND BRASS WIRE GATE HOOKS AND EYES

Full size cuts.




### PRICE PER GROSS.

**Bright Wire.**

| Inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per gross | $1.40 | 1.70 | 2.10 | 2.30 | 2.80 | 3.35 | 4.00 | 4.80 | 5.65 | 6.50 |

**Brass Wire.**

| Inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|
| Gauge | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 13 | 13 |
| Per gross | $2.70 | 3.60 | 4.75 | 6.55 | 8.35 | 10.45 | 12.70 | 15.20 | 16.00 | 16.80 |

1½ to 2½ inch, one gross in a box. Larger sizes, half gross.

## STOVE PIPE SCREW EYES

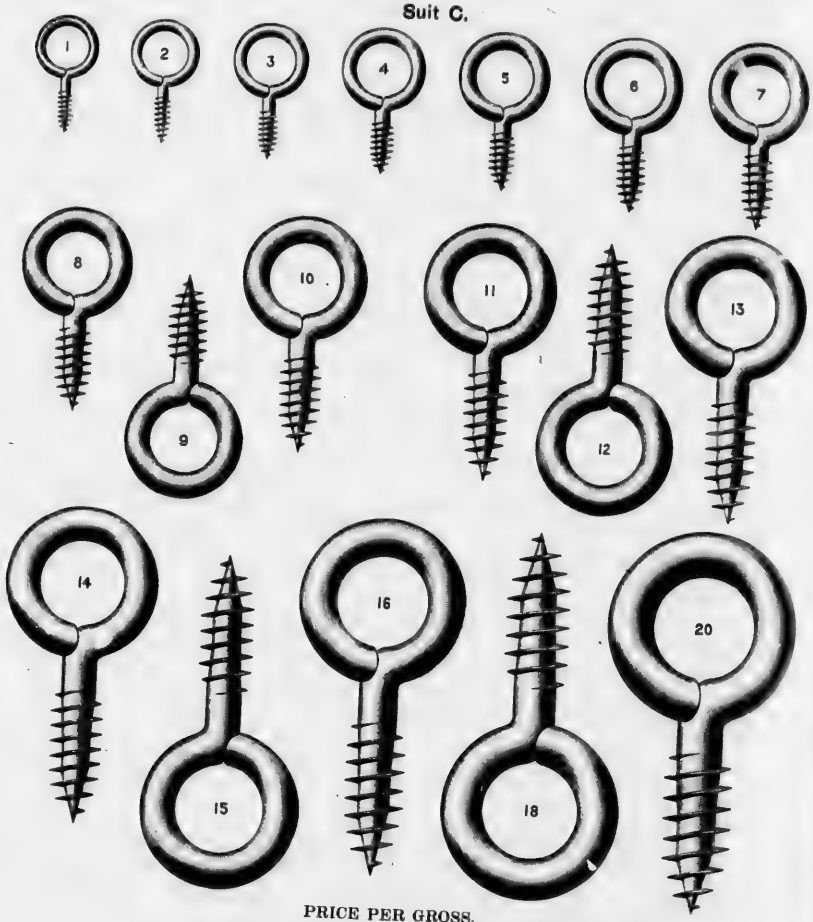
| No. Gauge | 5 | 6 | 7 | 8 |
|---|---|---|---|---|
| Inch | 1¼ | 2 | 2¼ | 2½ |
| Per gross | $0.40 | .52 | .67 | .85 |

One gross in a package.

### Bright and Brass Wire Screw Eyes

Full size cuts.

Suit C.




PRICE PER GROSS.

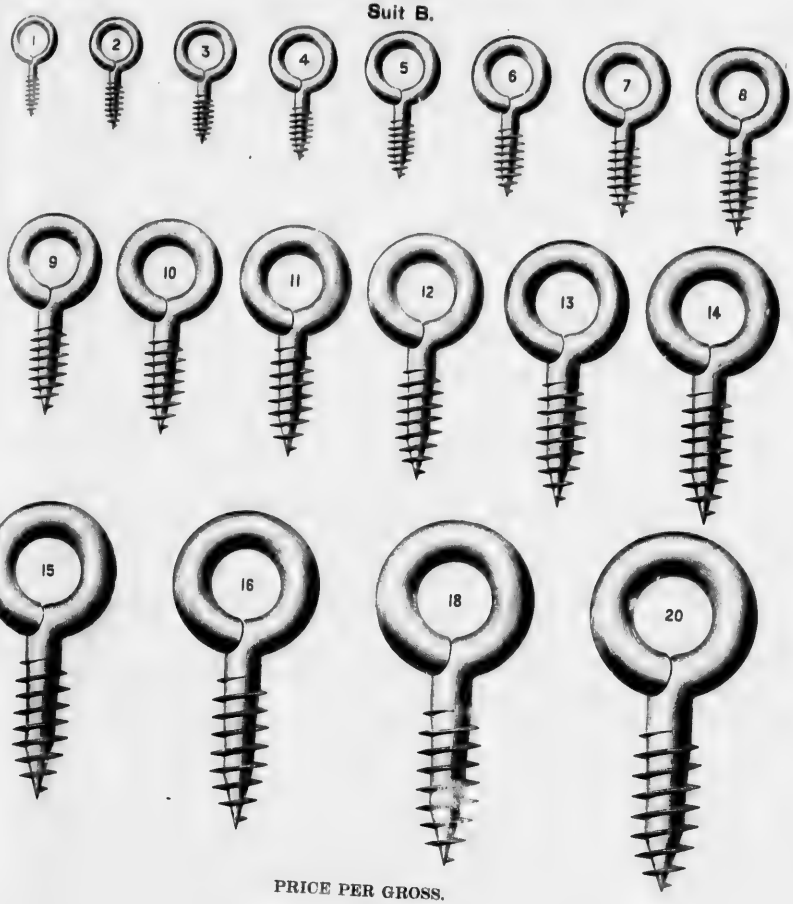
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Bright Wire.** | | | | | | | | | | | | | | | | |
| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Per gross | $0.18 | .20 | .24 | .30 | .37 | .45 | .53 | .60 | .70 |
| Nos. | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.90 | 2.30 | 2.90 | 4.00 |
| **Brass Wire.** | | | | | | | | | | | | | | | | |
| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Per gross | $0.30 | .40 | .50 | .60 | .80 | 1.00 | 1.40 | 1.80 | 2.30 |
| Nos. | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $2.90 | 3.50 | 4.20 | 5.00 | 5.80 | 6.60 | 7.40 | 9.40 | 12.60 |

One gross in a package.

## BRIGHT AND BRASS WIRE SCREW EYES

Full size cuts.

Suit B.




PRICE PER GROSS.

BRIGHT WIRE.

| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.17 | .18 | .22 | .27 | .33 | .40 | .45 | .50 | .60 |
| Nos. | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $0.75 | .85 | 1.00 | 1.20 | 1.40 | 1.70 | 2.00 | 2.60 | 3.75 |

BRASS WIRE.

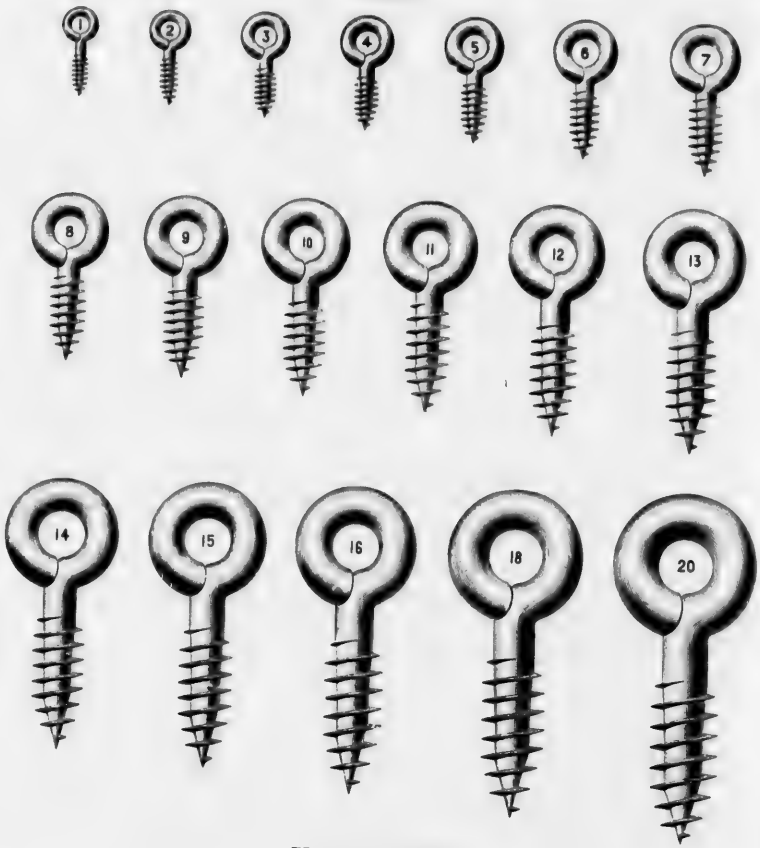
| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.25 | .30 | .40 | .53 | .70 | .90 | 1.20 | 1.50 | 1.80 |
| Nos. | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $2.20 | 2.80 | 3.50 | 4.20 | 5.00 | 5.60 | 6.40 | 8.40 | 11.60 |

One gross in a package.

## BRIGHT AND BRASS WIRE SCREW EYES

Full size cuts.

Suit A.




PRICE PER GROSS.

BRIGHT WIRE.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.13 | .15 | .18 | .24 | .28 | .33 | .40 | .45 | .50 |
| Nos | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $0.60 | .70 | .90 | 1.12 | 1.27 | 1.45 | 1.80 | 2.30 | 3.15 |

BRASS WIRE.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.20 | .25 | .30 | .40 | .55 | .70 | .90 | 1.15 | 1.45 |
| Nos | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per gross | $1.85 | 2.25 | 2.75 | 3.50 | 4.00 | 4.55 | 5.40 | 7.20 | 9.30 |

One gross in a package.

## STEEL AND BRASS WIRE HAT AND COAT HOOKS

Full size cut of 2½ inch.

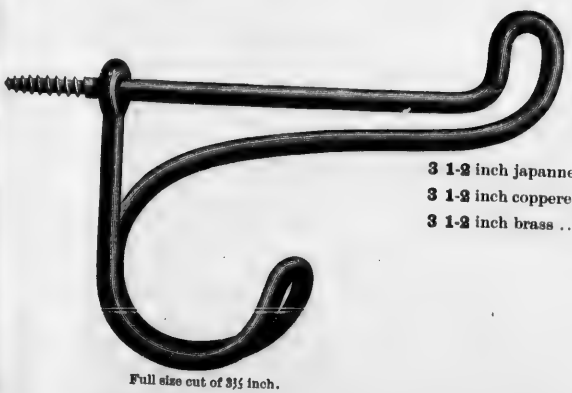
| | |
|---|---|
| 2 1-2 inch japanned | Per gross $2.15 |
| 2 1-2 inch coppered | Per gross 2.00 |
| 2 1-2 inch brass | Per gross 5.20 |

Half gross in a box.

Full size cut of 3 inch.

| | |
|---|---|
| 3 inch japanned | Per gross $2.55 |
| 3 inch coppered | Per gross 2.40 |
| 3 inch brass | Per gross 6.60 |

Half gross in a box.



Full size cut of 3½ inch.

| | |
|---|---|
| 3 1-2 inch japanned | Per gross $3.20 |
| 3 1-2 inch coppered | Per gross 3.00 |
| 3 1-2 inch brass | Per gross 8.75 |

Half gross in a box.

## HAT AND COAT HOOKS

### Japanned and Copper Bronzed

Full size cut of No. 3.

| | | | |
|---|---|---|---|
| No. **03**—Japanned | Per gross | $1.00 |
| No. **03**—Copper bronzed | Per gross | 1.10 |
| No. **3**—Japanned | Per gross | 1.35 |
| No. **3**—Copper bronzed | Per gross | 1.45 |

Half gross in a box.

Full size cut of No. 33.

| | | | |
|---|---|---|---|
| No. **033**—Japanned | Per gross | $1.35 |
| No. **033**—Copper bronzed | Per gross | 1.45 |
| No. **33**—Japanned | Per gross | 1.65 |
| No. **33**—Copper bronzed | Per gross | 1.75 |

One-third gross in a box.

## HAT AND COAT HOOKS

### Japanned and Copper Bronzed

Full size cut of No. 133

| | | |
|---|---|---|
| No. **0133**—Japanned | Per gross | $1.90 |
| No. **0133**—Copper bronzed | Per gross | 2.00 |
| No. **133**—Japanned | Per gross | 2.10 |
| No. **133**—Copper bronzed | Per gross | 2.20 |

Quarter gross in a box.

Full size of cut No. 13.

| | | |
|---|---|---|
| No. **013**—Japanned | Per gross | $1.80 |
| No. **013**—Copper bronzed | Per gross | 1.90 |
| No. **13**—Japanned | Per gross | 2.20 |
| No. **13**—Copper bronzed | Per gross | 2.30 |

Quarter gross in a box.

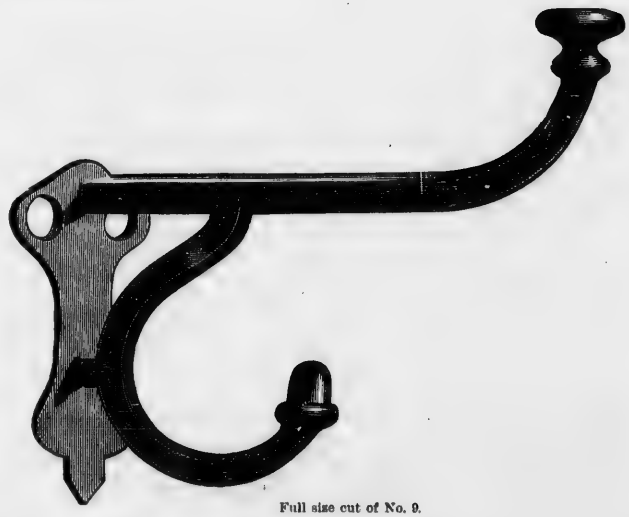
## HAT AND COAT HOOKS

### Japanned and Copper Bronzed

Full size cut of No. 5.

| | | | |
|---|---|---|---|
| No. **05**—Japanned | Per gross | $1.90 |
| No. **105**—Copper bronzed | Per gross | 2.00 |
| No. **5**—Japanned | Per gross | 2.05 |
| No. **115**—Copper bronzed | Per gross | 2.15 |

One-third gross in a box.



Full size cut of No. 9.

| | | |
|---|---|---|
| No. **9**—Japanned | Per gross | $2.25 |
| No. **9**—Copper bronzed | Per gross | 2.35 |

One-third gross in a box.

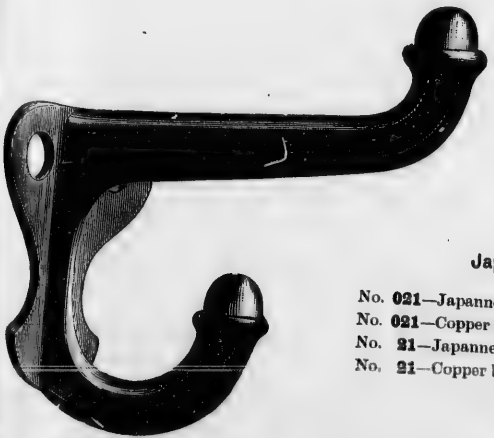
## HAT AND COAT HOOKS

### Japanned and Copper Bronzed

No. **10**—Japanned ..... Per gross $5.00
No. **10**—Copper bronzed ..... Per gross 5.25

One-sixth gross in a box.

### School House Hooks



Full size cut of No. 21

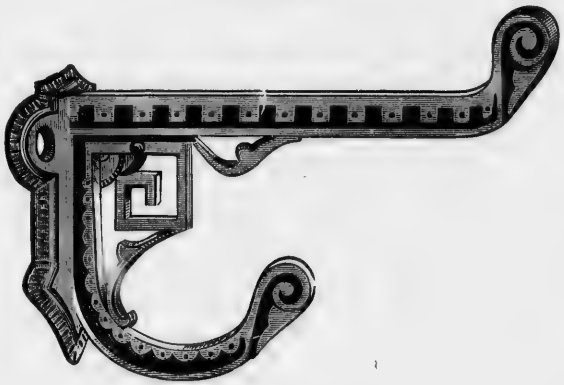
### Japanned and Copper Bronzed

No. **021**—Japanned ..... Per gross $2.25
No. **021**—Copper bronzed ..... Per gross 2.35
No. **21**—Japanned ..... Per gross 2.40
No. **21**—Copper bronzed ..... Per gross 2.50

One-sixth gross in a box.

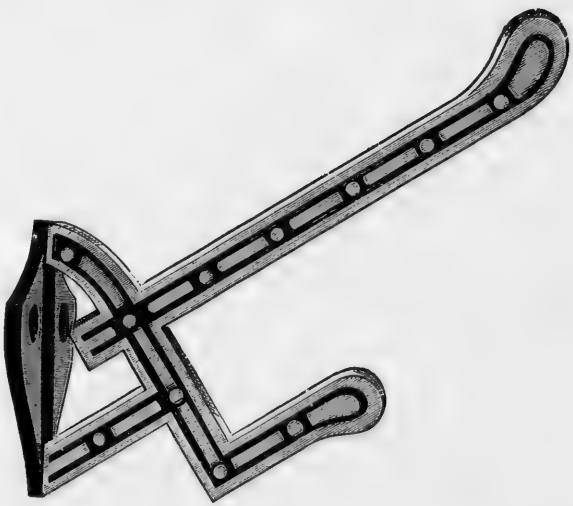
## HAT AND COAT HOOKS

### Royal Bronze



No. 8—Royal bronze ..... Per gross $3.00

Quarter gross in a box.

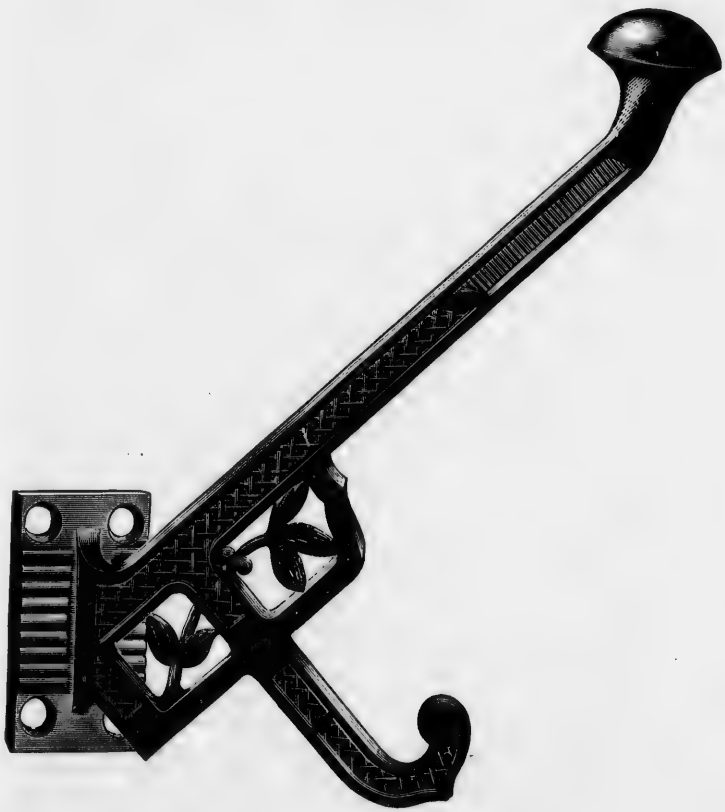


No. 7—Royal bronze ..... Per gross $3.00

Quarter gross in a box.

## HAT AND COAT HOOKS.

### Royal Bronze

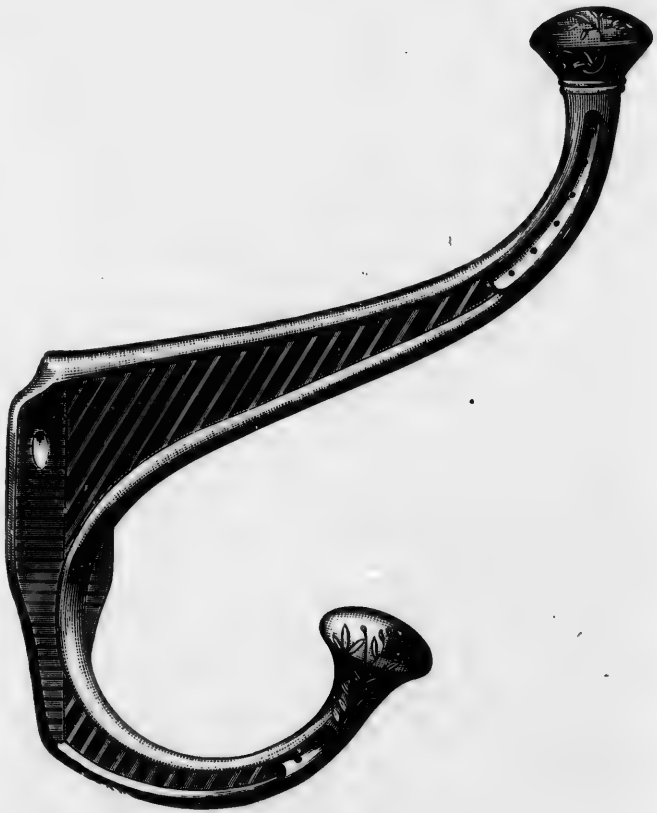


No. 13—Royal bronze ..... Per gross $6.75

One-twelfth gross in a box.

## HAT AND COAT HOOKS.

### Royal Bronze



No. **12**—Royal bronze ..... Per gross $6.75

One-twelfth gross in a box.

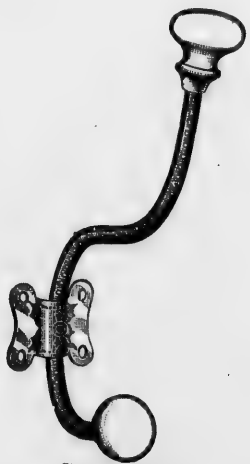
## HAT AND COAT HOOKS

Style of Nos. 300 to 302 and No. 3.

No. **300**—Brassed Hat and Coat Hooks, 5½ inches ..... Per dozen $0.60
No. **301**—Brassed Hat and Coat Hooks, 5⅝ inches ..... Per dozen .65
No. **302**—Brassed Hat and Coat Hooks, 6⅛ inches..... Per dozen .75
No. **3**—Nickel-plated Hat and Coat Hooks, 5⅝ inches..... Per dozen .70

One dozen in a package.

Style of Nos. 321, 735, 737.

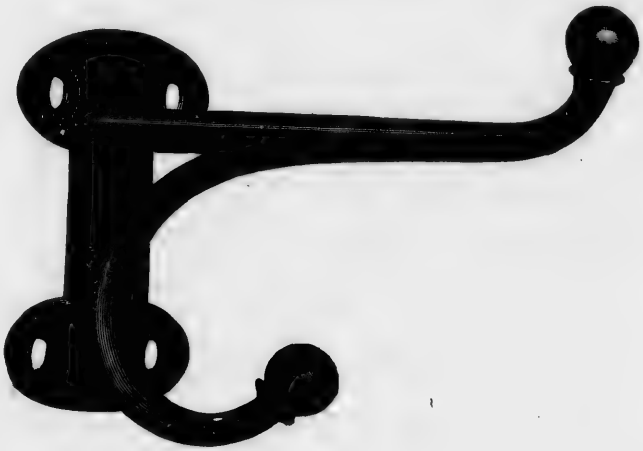


Style of No. 737B.

No. **321**—Brassed, plain, with china knobs, 6¼ inches..... Per dozen $0.95
No. **735**—Brass, plain, with china knobs, 5¼ inches..... Per dozen 1.15
No. **737**—Brass, plain, with china knobs, 6¼ inches..... Per dozen 1.35
No. **737B**—Brass, fancy, with china knobs, 6¼ inches ..... Per dozen 1.50

One dozen in a package.

## HARNESS HOOKS



Japanned.

No. 2—Japanned, 6 inch, extra heavy..... Per dozen $0.85

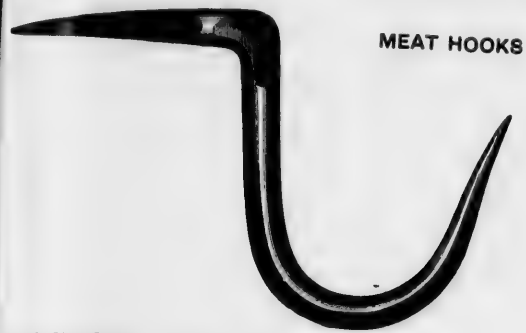
One dozen in a box.

Japanned.

No. 5—Japanned, 8 inches..... Per dozen $1.00

Half dozen in a package.

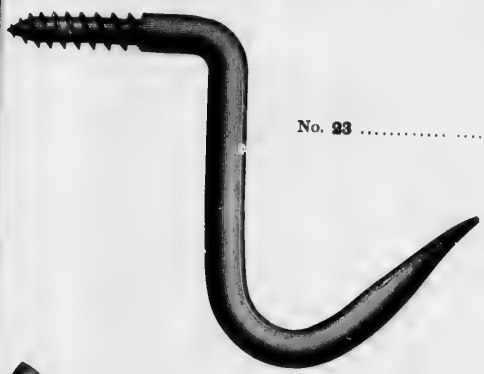
## MEAT HOOKS



### To Drive

Tinned.

Wrought Meat Hooks, to drive, 3 x 1½ ..... Per gross $5 40
Wrought Meat Hooks, to drive, 3½ x 2 ..... Per gross 6.00



### To Screw

Tinned.

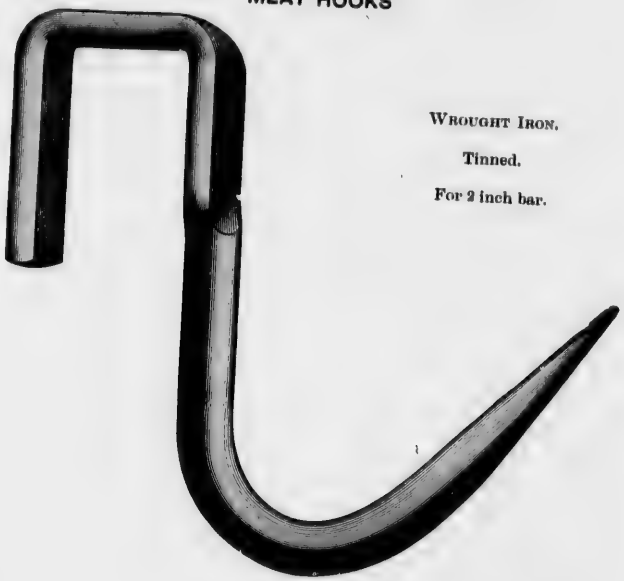
No. 23 ..... Per gross $3.75

### To Nail

Tinned.

Wrought Meat Hooks, to nail ..... Per gross $4.00

## MEAT HOOKS

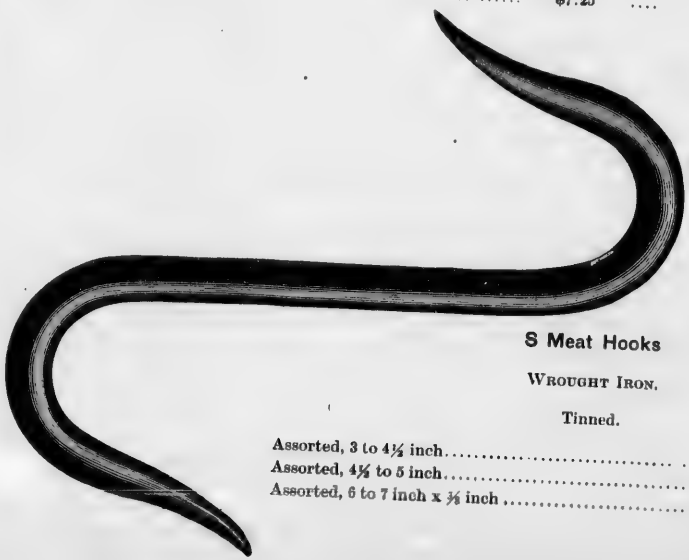


WROUGHT IRON.

Tinned.

For 2 inch bar.

| Nos | 11 | 11 1-2 | 12 1-2 |
|---|---|---|---|
| Inch | 5-16 | 3-8 | 1-2 |
| Per gross | $7.25 | 11.25 | 17.00 |



## S Meat Hooks

WROUGHT IRON.

Tinned.

| | |
|---|---|
| Assorted, 3 to 4½ inch | Per gross $3.60 |
| Assorted, 4½ to 5 inch | Per gross 4.50 |
| Assorted, 6 to 7 inch x ⅜ inch | Per gross 10.00 |

No. 58—Tinned ....

## HAMMOCK HOOKS

Malleable.

With ball on the end of hook which works freely in the socket, the socket being firmly fastened by four screws.

No. **11**—Tinned ..... Per dozen $1.00

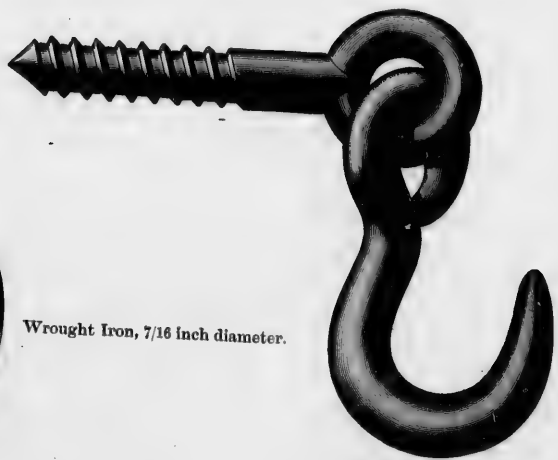
Malleable.

No. **12**—Tinned ..... Per dozen $0.80

One dozen in a box.

Extra Heavy

No. 58. Full size cut.



Wrought Iron, 7/16 inch diameter.

No. 68. Full size cut.

| With Plate. | With Screw. |
|---|---|
| No. **58**—Tinned ..... Per dozen $1.35 | No. **68**—Tinned ..... Per dozen $1.35 |

One dozen in a box.

## PERFECT CLOTHES LINE HOOK

**Holds the Line without a Knot**

In use, the rope is drawn around the hook, down through the wedge-shaped opening to hold the tension, then up over the back cleat, making the final fastening by drawing the rope down through the wedge-shaped opening again.

The hooks are made of the best quality of air furnace refined malleable iron, and being perfectly finished have no rough or sharp edges to cut the line.

**No. 1**—Japanned ..... Per dozen $1.25

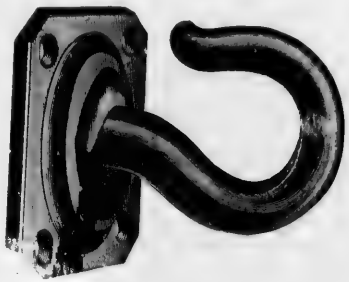
One dozen in a box.

## Japanned Clothes Line Hooks

Full size cut of No. 11.

**No. 11**—Japanned clothes line hooks, steel screw ..... Per dozen $0.90

Two dozen in a box.



Full size cut of No. 2

**No. 2**—Japanned clothes line hooks ..... Per dozen $0.55

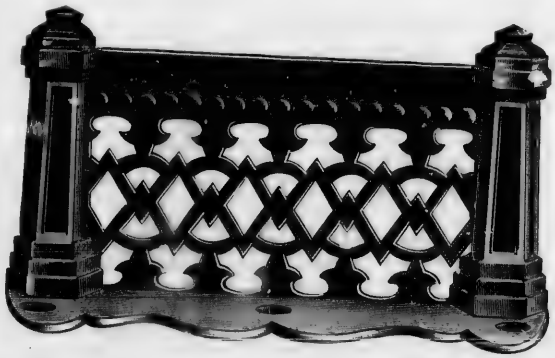
Two dozen in a box.

## JAPANNED FOOT SCRAPERS

Cuts half size.

No. 2—Japanned..... Per dozen $1.05

No. 6—Japanned..... Per dozen $1.50



No. 12—Japanned..... Per dozen $2.25

Half dozen in a box.

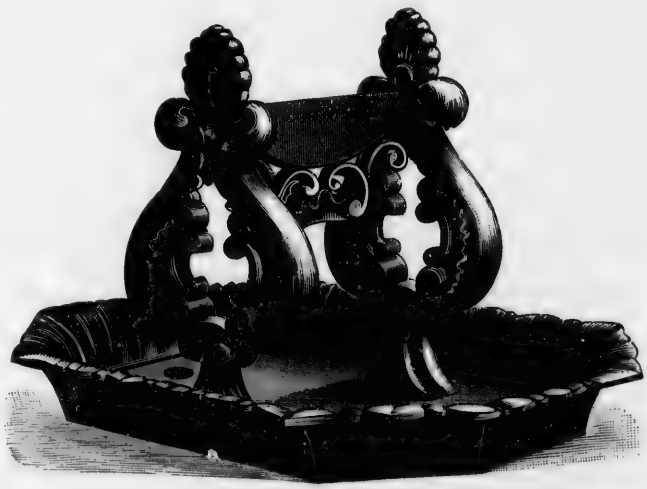
## JAPANNED FOOT SCRAPERS

Cut one-third size.

No. 10

No. 20

No. **10**—Japanned and gold bronzed ..... Per dozen $6.00
No. **20**—Japanned ..... Per dozen 6.00



No. 15

No. **15**—Japanned and gold bronzed ..... Per dozen $13.50

## DOOR MATS

Cocoa Door Mats.

MEDIUM BRUSH.

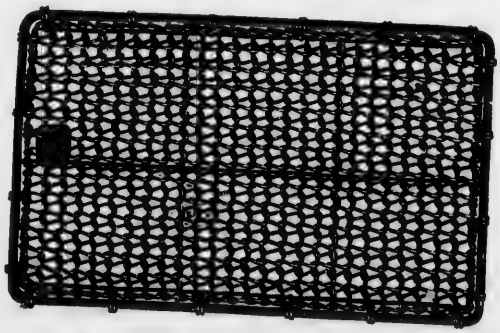
| No. 50 | 1 | 2 | 3 |
|---|---|---|---|
| Size, inch | 14 x 24 | 16 x 27 | 18 x 30 |
| Per dozen | $6.75 | 8.75 | 11.00 |

HEAVY BRUSH.

| No. 80 | 1 | 2 | 3 |
|---|---|---|---|
| Size, inch | 14 x 24 | 16 x 27 | 18 x 30 |
| Per dozen | $10.50 | 13.50 | 17.00 |

## Patent Improved

## Reversible Steel Wire Door Mat.



| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Size, inch | 16½ x 24 | 18 x 28 | 20 x 30 | 22 x 36 | 24 x 40 | 24 x 48 | 30 x 48 | 36 x 48 |
| Each | $2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 5.00 | 6.00 | 7.00 |

Larger sizes, or mats with curves or special forms made to order.

These mats are made of best quality galvanized Bessemer steel wire. They are indestructible and cleanly, and especially adapted for Public Buildings, Hotels, Stores, or any place where a mat is needed.

## LINE CLEATS

Full size of cut Nos. 101 and 111.

Full size cut of Nos. 103 and 113.

| | | | |
|---|---|---|---|
| No. **101**—Japanned | Per dozen $0.30 | No. **103**—Japanned | Per dozen $0.35 |
| No. **111**—Galvanized | Per dozen .40 | No. **113**—Galvanized | Per dozen .63 |

Two dozen in a box.

## Heavy Cast Iron

Full size cut of Nos. 107 and 117.

| | |
|---|---|
| No. **107**—Japanned | Per dozen $0.70 |
| No. **117**—Galvanized | Per dozen 1.20 |

One dozen in a box.

## Malleable Iron

Full size cut of Nos. 104 and 114.

Full size cut of Nos. 105 and 115.

| JAPANNED. | | GALVANIZED. | |
|---|---|---|---|
| No. **104**—Malleable iron | Per dozen $0.40 | No. **114**—Malleable iron | Per dozen $0.60 |
| No. **105**—Malleable iron | Per dozen .60 | No. **115**—Malleable iron | Per dozen .85 |

Two dozen in a box.

Full size cut of 1½ inch.

Full size cut of ¾ inch.

Nos. 76 and 176. Full size cut of 1½ inch.

## TACKLE OR AWNING PULLEYS

### Single Wheel.

No. **74**—JAPANNED.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 |
|---|---|---|---|---|---|---|---|
| Per dozen | $0.36 | .42 | .50 | .63 | .85 | 1.10 | 2.40 |

No. **174**—GALVANIZED.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 |
|---|---|---|---|---|---|---|---|
| Per dozen | $0.50 | .60 | .80 | 1.15 | 1.60 | 2.50 | 4.35 |

2½ inch will take ⅝ rope.

¾ to 1¼ inch, one dozen in a box. 2 and 2½, half dozen.

### Double Wheel.

No. **76**—JAPANNED.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 |
|---|---|---|---|---|---|---|---|
| Per dozen | $0.52 | .60 | .72 | 1.05 | 1.45 | 2.25 | 3.85 |

No. **176**—GALVANIZED.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1 2 |
|---|---|---|---|---|---|---|---|
| Per dozen | $0.80 | .95 | 1.10 | 1.80 | 3.00 | 3.60 | 6.00 |

2½ inch will take ⅝ rope.

2½ inch, one-third dozen in a box. 2 inch, half dozen.

Other sizes, one dozen.

Nos. 75 and 175. Full size cut of 2 inch.

## TACKLE OR AWNING PULLEYS

No. **75**—JAPANNED.

**Single Wheel, Eye each end.**

| Inch | 2 | 2 1-2 | 3 |
|---|---|---|---|
| Per dozen | $1.10 | 1.65 | 2.20 |

No. **175**—GALVANIZED.

**Single Wheel, Eye each end.**

| Inch | 2 | 2 1-2 | 3 |
|---|---|---|---|
| Per dozen | $1.65 | 2.70 | 3.25 |

Nos. 77 and 177. Full size cut of 2 inch.

No. **77**—JAPANNED.

**Double Wheel, Eye each end.**

| Inch | 2 | 2 1-2 | 3 |
|---|---|---|---|
| Per dozen | $1.85 | 2.40 | 3.00 |

No. **177**—GALVANIZED.

**Double Wheel, Eye each end.**

| Inch | 2 | 2 1-2 | 3 |
|---|---|---|---|
| Per dozen | $3.00 | 3.75 | 5.00 |

2 inch, one dozen in a box. 2½ and 3 inch, half dozen.

No. 65. Full size cut of 2½ inch.

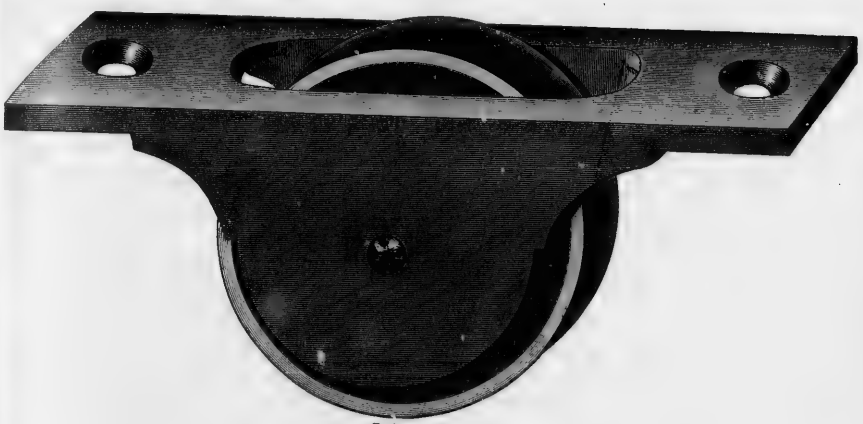
## CLOTHES LINE PULLEYS

No. 65—JAPANNED.

2½ inch, japanned ..... Per dozen $0.70

One dozen in a box.

## Dumb Waiter Pulleys.



Full size cut.

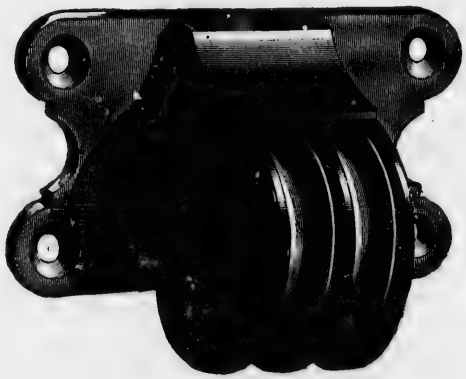
No. 40—IRON WHEEL.

3 inch, iron wheel, heavy..... Per dozen $3.75

Two-thirds dozen in a package.

## SINGLE HOT HOUSE PULLEYS.

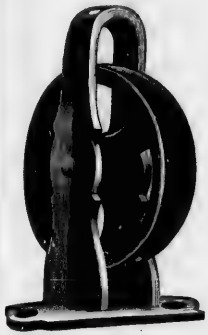
**2 Inch, Japanned, Single.....Per Dozen, $1.20**



## Double Hot House Pulleys.

**2 Inch, Japanned, Double.....Per Dozen, $1.80**

ALL ABOVE, ONE DOZEN IN A BOX.



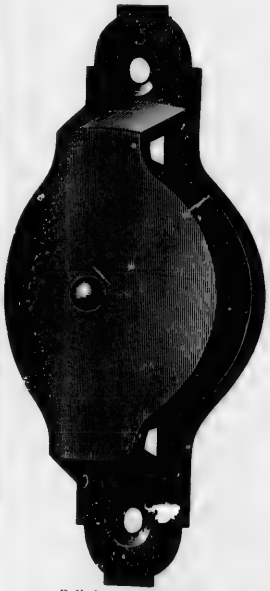
Full size cut of 1¾ inch.

## UPRIGHT PULLEYS

No. 55—JAPANNED.

| | |
|---|---|
| 1 3-4 inch, japanned ..... Per dozen | $0.75 |
| 2 inch, japanned ..... Per dozen | .90 |

Two dozen in a box.



Full size cut of 2 inch.

## Side Pulleys

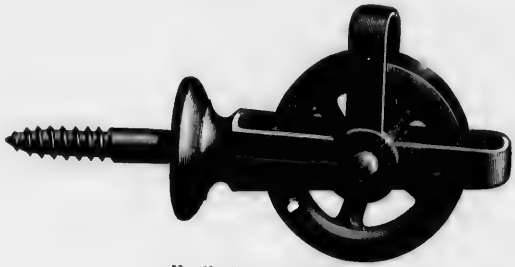
Full size cut of 1¼ inch.

No. 25—JAPANNED.

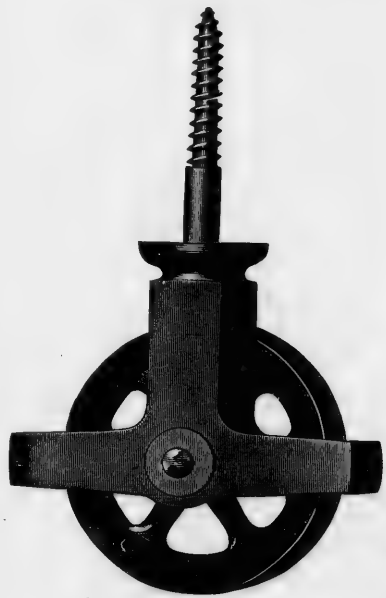
| Inch. | 1 1-2 | 1 3-4 | 2 | 2 1-2 | 3 | 4 |
|---|---|---|---|---|---|---|
| Per dozen | $0.55 | .65 | .85 | 1.35 | 1.80 | 4.80 |

2 inch and smaller, two dozen in a box. 2½, one dozen. 3 inch, half dozen.
4 inch, quarter dozen.

## JAPANNED SCREW PULLEYS



No. 46. Full size cut of 1½ inch.



No. 44. Full size cut of 2 inch.

No. 45 Full size cut of 1 inch.

No. 45. Full size cut of 2½ inch.

### Incased Screw Pulleys

JAPANNED.

No. 46—1 1-2 inch ..... Per dozen $0.80

No. 44

| Inch | 1 1-2 | 2 |
|---|---|---|
| Per dozen | $0.70 | .90 |

One dozen in a box.

### Japanned Screw Pulleys

No. 45

| Inch | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|
| Per dozen | $0.30 | .33 | .38 | .45 |
| Inch | 2 | 2 1-4 | 2 1-2 | 3 |
| Per dozen | $0.60 | .75 | .85 | 1.20 |

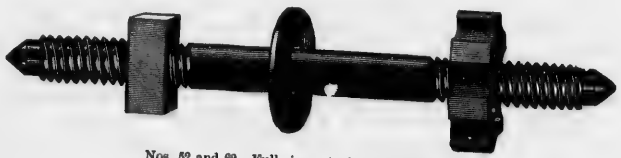
1 to 2¼, two dozen in a box.
2½ and 3, one dozen.

## WROUGHT HAND RAIL SCREWS

No. 51. Full size cut of 4½ inch.

**No. 51**—One Nut, 5/16 Iron, Gimlet Pointed Screw.

| Inch | 4 | | 4 1-2 | | 5 |
|---|---|---|---|---|---|
| Per gross | $4.50 | | | | 5 00 |



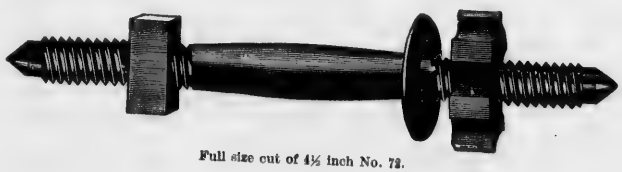
Nos. 52 and 62. Full size cut of 4½ inch, No. 52.

**No. 52**—Two Nuts, 5/16 Iron.

| Inch | 4 | | 4 1-2 | | 5 |
|---|---|---|---|---|---|
| Per gross | $5.00 | | 5.75 | | 6.30 |

**No. 62**—Two Nuts, 3/8 Iron.

| Inch | | | 4 1-2 | | 5 |
|---|---|---|---|---|---|
| Per gross | | | $6.75 | | 7.25 |



Full size cut of 4½ inch No. 72.

**No. 72**—Swelled Centre, Two Nuts, 7/16 Iron.

| Inch | 4 1-2 | | 5 |
|---|---|---|---|
| Per gross | $9.00 | | 9.50 |

Quarter gross in a box.

## HAND RAIL BRACKETS

No. 55. Half size cut.

No. 60. Half size cut.

No. **55**—Hand rail bracket, royal bronze.....Per dozen $1.80

One dozen in a box.

No. **60**—Hand rail bracket, royal bronze.....Per dozen 2.00

Half dozen in a box.

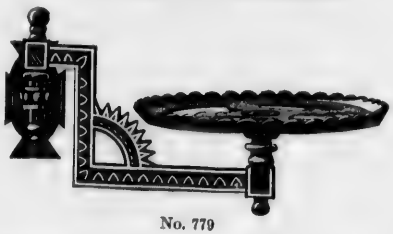
## Flower Pot Brackets.

No. 8842. Ebony and Gold.

No. **8842**—Length of arms 8 inches, diameter of plates 6 inches .....Per dozen $9.75

One quarter dozen in a box.

## FLOWER POT BRACKETS

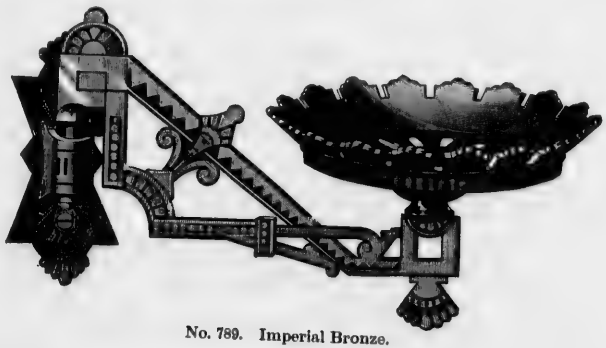


No. 779

Length of arm 4½ inches. Diameter of plate 4½ inches.

No. 779—Imperial bronze..... Per dozen $1.50

One dozen in a box.



No. 789. Imperial Bronze.

No. 789—Length of arm 6 inches, diameter of plate 5 inches..... Per dozen $2.65

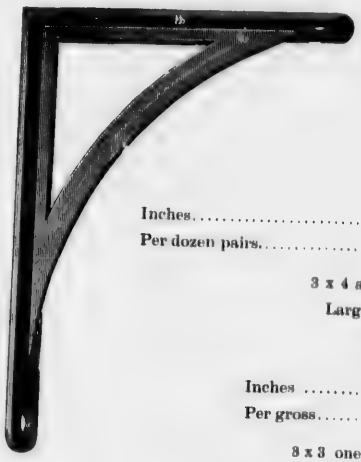
Half dozen in a box.

No. 884. Ebony and Gold.

No. 884—Length of arm 8 inches, diameter of plate 6 inches..... Per dozen $3.60

Half dozen in a box.

## SHELF BRACKETS



CAST IRON. JAPANNED.

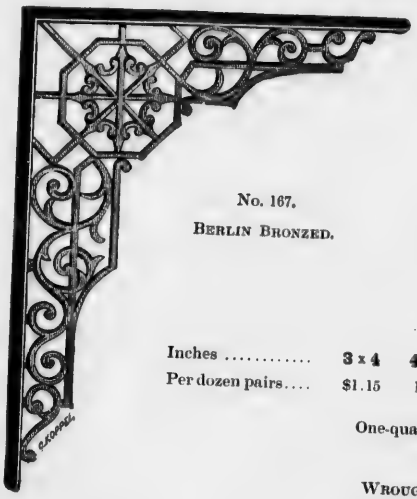
| Inches | 3 x 4 | 4 x 5 | 5 x 6 | 6 x 8 | 8 x 10 | 10 x 12 | 12 x 14 |
|---|---|---|---|---|---|---|---|
| Per dozen pairs | $0.55 | .75 | 1.10 | 1.55 | 2.25 | 3.15 | 4.70 |

3 x 4 and 4 x 5, in packages of one-half dozen pairs.
Larger sizes, in packages of one-quarter dozen pairs.

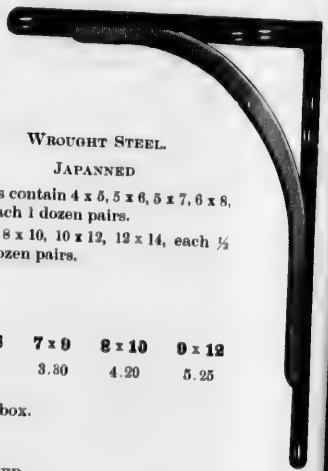
### Wrought Iron Tinned Brackets

| Inches | 3 x 3 | .... | 4 x 4 |
|---|---|---|---|
| Per gross | $2.75 | .... | 4 25 |

3 x 3 one-half gross in a package. 4 x 4, one-quarter gross.



No. 167.
BERLIN BRONZED.



WROUGHT STEEL.
JAPANNED

Boxes contain 4 x 5, 5 x 6, 5 x 7, 6 x 8, each 1 dozen pairs.
7 x 9, 8 x 10, 10 x 12, 12 x 14, each ½ dozen pairs.

No. 167.

| Inches | 3 x 4 | 4 x 5 | 5 x 7 | 6 x 8 | 7 x 9 | 8 x 10 | 9 x 12 |
|---|---|---|---|---|---|---|---|
| Per dozen pairs | $1.15 | 1.50 | 2.10 | 2.55 | 3.30 | 4.20 | 5.25 |

One-quarter dozen pairs in a box.

WROUGHT STEEL. JAPANNED.

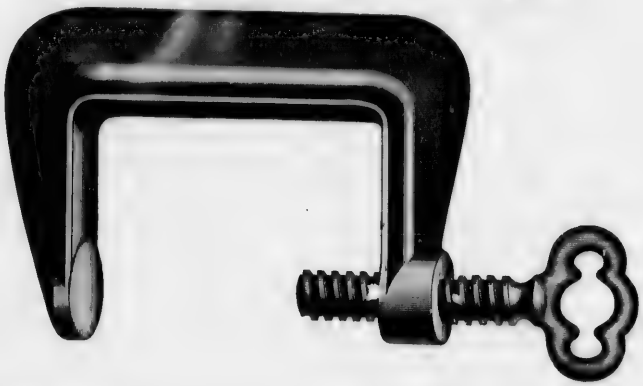
| Inches | 4 x 5 | .... | 5 x 6 | .... | 6 x 8 | .... | 7 x 9 | .... | 8 x 10 | .... | 10 x 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen pairs | $0.65 | .... | 1.05 | .... | 1.45 | .... | 1.65 | .... | 1.95 | .... | 2.50 |

No. 1—Japanned
No. 111—Copper
No. 3—Japanned

No. 32—Japanned,
No. 33—Japanned,

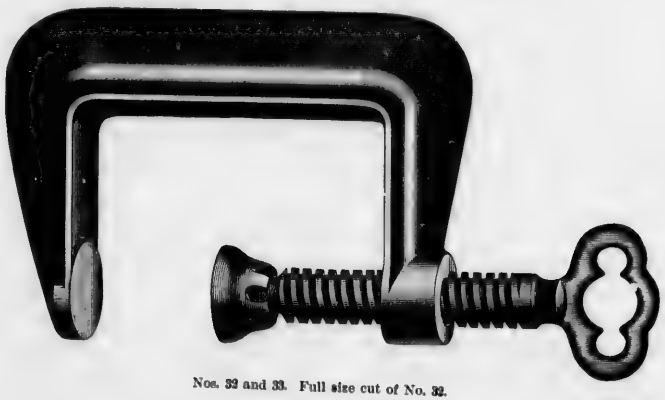
No. 110—Copper b

## CABINET MAKERS' OR QUILT-FRAME CLAMPS



No. 1—Japanned, opens 2¼ inches ..... Per dozen $0.65
No. 111—Copper bronzed, opens 2¼ inches ..... Per dozen .70
No. 3—Japanned, heavy, opens 4 inches ..... Per dozen 1.50

Nos. 1 and 111, two dozen in a box. No. 3, one dozen.



Nos. 32 and 33. Full size cut of No. 32.

### Japanned, Ball and Socket Head Screw.

No. 32—Japanned, opens 2¼ inches ..... Per dozen $1.00
No. 33—Japanned, opens 3 inches ..... Per dozen 1.20

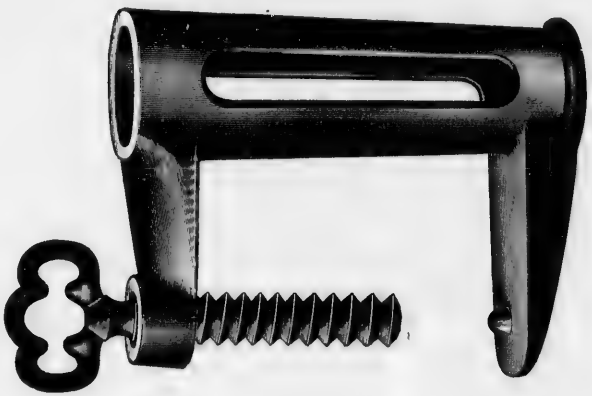
### Swivel Head, Wrought Screw.

No. 110—Copper bronzed wrought screw, opens 2¼ inches ..... Per dozen $0.90

One dozen in a box.

## QUILT FRAME CLAMPS

Full size cuts.



JAPANNED.

No. 3—Novelty quilt frame clamp.. .....Per dozen $1.15

JAPANNED. SWIVEL END.

No. 4—Novelty quilt frame clamp .....Per dozen $1.45

One dozen in a box.

## CARRIAGE MAKERS' CLAMPS

One-half size cut of No. 4

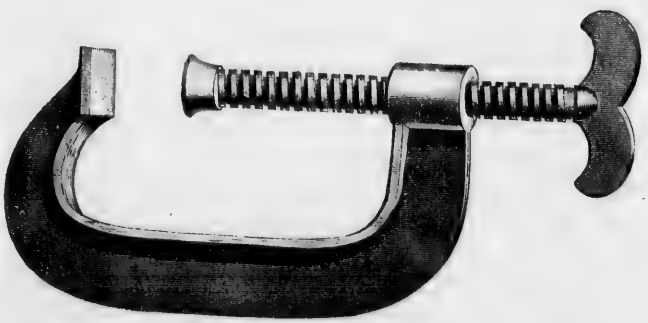
### Patent "Star" Carriage Maker's Clamp

Malleable Iron Swivel Head. Solid Steel Screw.

It is so arranged that the swivel is admitted into the clamp, thus utilizing the entire distance between the ends of the two arms. The head is not only screwed on, but is securely fastened by a pin passing through the head into the screw.

| Nos. | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Inches, open | 2½ | 3 | 4 | 5 | 6 |
| Per dozen | $2.55 | 3.00 | 4.00 | 4.75 | 6.15 |

Half dozen in a box.

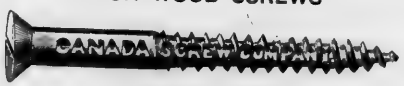


Half size cut of No. 14.

| Nos. | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
|---|---|---|---|---|---|---|---|---|
| Inches, open | 2½ | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| Per dozen | $2.85 | 3.30 | 4.65 | 5.75 | 7.50 | 9.50 | 11.75 | 14.25 |

Nos. 12 to 16, half dozen in a box. Other Nos. are loose.

## IRON WOOD SCREWS




PRICE PER GROSS

| Size. In. | Size. No. | List. $ |
|---|---|---|
| 1/4 | 0 | .40 |
| | 1 | .40 |
| | 2 | .40 |
| | 3 | .40 |
| | 4 | .40 |
| 5/16 | 0 | .40 |
| | 1 | .40 |
| | 2 | .40 |
| | 3 | .40 |
| | 4 | .40 |
| | 5 | .40 |
| | 6 | .41 |
| | 7 | .48 |
| | 8 | .55 |
| | 9 | .62 |
| 3/8 | 1 | .40 |
| | 2 | .40 |
| | 3 | .40 |
| | 4 | .40 |
| | 5 | .41 |
| | 6 | .45 |
| | 7 | .52 |
| | 8 | .59 |
| | 9 | .66 |
| | 10 | .73 |
| | 11 | .80 |
| | 12 | .87 |
| 7/16 | 1 | .40 |
| | 2 | .40 |
| | 3 | .40 |
| | 4 | .40 |
| | 5 | .43 |
| | 6 | .49 |
| | 7 | .56 |
| | 8 | .63 |
| | 9 | .70 |
| | 10 | .77 |
| | 11 | .84 |
| | 12 | .91 |
| | 13 | .98 |
| | 14 | 1.10 |
| 1/2 | 2 | .40 |
| | 3 | .41 |
| | 4 | .41 |
| | 5 | .46 |
| | 6 | .58 |
| | 7 | .60 |
| | 8 | .67 |
| | 9 | .74 |
| | 10 | .81 |
| | 11 | .88 |
| | 12 | .95 |
| | 13 | 1.05 |
| | 14 | 1.20 |
| | 15 | 1.35 |
| | 16 | 1.55 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| 5/8 | 2 | .41 |
| | 3 | .44 |
| | 4 | .48 |
| | 5 | .52 |
| | 6 | .59 |
| | 7 | .66 |
| | 8 | .73 |
| | 9 | .80 |
| | 10 | .87 |
| | 11 | .94 |
| | 12 | 1.00 |
| | 13 | 1.15 |
| | 14 | 1.30 |
| | 15 | 1.50 |
| | 16 | 1.70 |
| 9/16 | 3 | .51 |
| | 4 | .55 |
| | 5 | .59 |
| | 6 | .66 |
| | 7 | .73 |
| | 8 | .80 |
| | 9 | .87 |
| | 10 | .94 |
| 1 | 11 | 1.00 |
| | 12 | 1.10 |
| | 13 | 1.25 |
| | 14 | 1.40 |
| | 15 | 1.60 |
| | 16 | 1.80 |
| | *17 | 2.00 |
| | 18 | 2.20 |
| | 20 | 2.70 |
| 1 1/4 | 4 | .62 |
| | 5 | .68 |
| | 6 | .74 |
| | 7 | .80 |
| | 8 | .87 |
| | 9 | .94 |
| | 10 | 1.00 |
| | 11 | 1.10 |
| | 12 | 1.20 |
| | 13 | 1.35 |
| | 14 | 1.55 |
| | *15 | 1.75 |
| | 16 | 1.95 |
| | 17 | 2.15 |
| | 18 | 2.35 |
| | 20 | 2.85 |
| | 22 | 3.35 |
| | 24 | 3.95 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| 1 1/2 | 4 | .70 |
| | 5 | .76 |
| | 6 | .82 |
| | 7 | .88 |
| | 8 | .94 |
| | 9 | 1.00 |
| | 10 | 1.10 |
| | 11 | 1.20 |
| | 12 | 1.30 |
| | *13 | 1.50 |
| | 14 | 1.70 |
| | 15 | 1.90 |
| | 16 | 2.10 |
| | 17 | 2.30 |
| | 18 | 2.50 |
| | 20 | 3.00 |
| | 22 | 3.50 |
| | 24 | 4.15 |
| 1 3/4 | 6 | .92 |
| | 7 | .98 |
| | 8 | 1.05 |
| | 9 | 1.10 |
| | *10 | 1.20 |
| | 11 | 1.30 |
| | 12 | 1.45 |
| | 13 | 1.65 |
| | 14 | 1.85 |
| | 15 | 2.05 |
| | 16 | 2.25 |
| | 17 | 2.45 |
| | 18 | 2.70 |
| | 20 | 3.20 |
| | 22 | 3.75 |
| | 24 | 4.35 |
| 2 | 6 | 1.05 |
| | 7 | 1.10 |
| | 8 | 1.20 |
| | 9 | 1.25 |
| | 10 | 1.30 |
| | 11 | 1.40 |
| | 12 | 1.55 |
| | 13 | 1.80 |
| | 14 | 2.00 |
| | 15 | 2.20 |
| | 16 | 2.40 |
| | 17 | 2.60 |
| | 18 | 2.90 |
| | *20 | 3.40 |
| | 22 | 4.00 |
| | 24 | 4.55 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| 2 1/4 | 8 | 1.30 |
| | 9 | 1.35 |
| | 10 | 1.45 |
| | 11 | 1.50 |
| | 12 | 1.70 |
| | 13 | 1.90 |
| | 14 | 2.10 |
| | 15 | 2.35 |
| | *16 | 2.60 |
| | 17 | 2.60 |
| | 18 | 3.05 |
| | 20 | 3.60 |
| | 22 | 4.20 |
| | 24 | 4.80 |
| 2 1/2 | 8 | 1.55 |
| | 9 | 1.60 |
| | 10 | 1.70 |
| | 11 | 1.75 |
| | 12 | 1.85 |
| | 13 | 2.05 |
| | 14 | 2.25 |
| | *15 | 2.55 |
| | 16 | 2.75 |
| | 17 | 3.00 |
| | 18 | 3.30 |
| | 20 | 3.85 |
| | 22 | 4.50 |
| | 24 | 5.10 |
| 2 3/4 | 10 | 2.05 |
| | 11 | 2.10 |
| | 12 | 2.15 |
| | 13 | 2.25 |
| | 14 | 2.45 |
| | 15 | 2.70 |
| | 16 | 2.95 |
| | 17 | 3.25 |
| | 18 | 3.60 |
| | 20 | 4.25 |
| | 22 | 5.00 |
| | 24 | 5.60 |
| 3 | 10 | 2.35 |
| | 11 | 2.40 |
| | 12 | 2.45 |
| | 13 | 2.55 |
| | 14 | 2.65 |
| | 15 | 2.95 |
| | 16 | 3.30 |
| | 17 | 3.65 |
| | 18 | 4.05 |
| | 20 | 4.80 |
| | 22 | 5.55 |
| | 24 | 6.40 |
| | 26 | 7.50 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| 3 1/2 | 10 | 3.30 |
| | 11 | 3.40 |
| | 12 | 3.50 |
| | 13 | 3.60 |
| | 14 | 3.70 |
| | 15 | 3.80 |
| | 16 | 3.90 |
| | 17 | 4.30 |
| | 18 | 4.75 |
| | 20 | 5.55 |
| | 22 | 6.35 |
| | 24 | 7.30 |
| | 26 | 8.50 |
| 4 | 12 | 4.50 |
| | 14 | 4.80 |
| | 16 | 4.75 |
| | 18 | 5.60 |
| | 20 | 6.40 |
| | 22 | 7.30 |
| | 24 | 8.40 |
| | 26 | 9.70 |
| 4 1/2 | 16 | 6.40 |
| | 18 | 6.60 |
| | 20 | 7.40 |
| | 22 | 8.45 |
| | 24 | 9.70 |
| | 26 | 11.05 |
| 5 | 18 | 8.20 |
| | 20 | 8.60 |
| | 22 | 9.75 |
| | 24 | 11.05 |
| | 26 | 12.60 |
| | 28 | 14.25 |
| 6 | 20 | 11.75 |
| | 22 | 12.50 |
| | 24 | 13.50 |
| | 26 | 16.00 |
| | 28 | 18.05 |
| | 30 | 20.10 |

The following varieties of Iron and Steel Screws are invoiced from this List at varying discounts: Flat, Round, Piano, Fillister and Oval Head Screws bright and blued, and Felloe Screws.

*The Number of Gross in a Package is indicated by small figures on the side, divided by a star (*).

### Iron Side Knob Screws

Blued Side Knob Screws ..... Per gross $0.6

One gross in a box.

## BRASS WOOD SCREWS

### PRICE PER GROSS

| Size. In. | Size. No. | List. $ |
|---|---|---|
| | 0 | .80 |
| | 1 | .80 |
| 1/4 | 2 | .84 |
| | 3 | .87 |
| | 4 | .91 |
| | 0 | .80 |
| | 1 | .82 |
| | 2 | .86 |
| 3/8 | 3 | .89 |
| | 4 | .95 |
| | 5 | 1.03 |
| | 6 | 1.10 |
| | 7 | 1.20 |
| | 1 | .86 |
| | 2 | .89 |
| | 2 | .93 |
| | 4 | 1.03 |
| 1/2 | 5 | 1.10 |
| | 6 | 1.20 |
| | 7 | 1.30 |
| | 8 | 1.50 |
| | 9 | 1.70 |
| | 10 | 1.90 |
| | 2 | .91 |
| | 3 | .99 |
| | 4 | 1.06 |
| | 5 | 1.20 |
| 5/8 | 6 | 1.30 |
| | 7 | 1.50 |
| | 8 | 1.70 |
| | 9 | 1.90 |
| | 10 | 2.15 |
| | 11 | 2.40 |
| | 12 | 2.65 |
| | 2 | 1.06 |
| | 3 | 1.10 |
| | 4 | 1.15 |
| | 5 | 1.30 |
| | 6 | 1.45 |
| | 7 | 1.60 |
| 3/4 | 8 | 1.90 |
| | 9 | 2.15 |
| | 10 | 2.40 |
| | 11 | 2.65 |
| | 12 | 3.00 |
| | 13 | 3.35 |
| | 14 | 3.70 |
| | 15 | 4.10 |
| | 16 | 4.50 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| | 2 | 1.35 |
| | 3 | 1.40 |
| | 4 | 1.45 |
| | 5 | 1.50 |
| | 6 | 1.55 |
| | 7 | 1.80 |
| 7/8 | 8 | 2.05 |
| | 9 | 2.35 |
| | 10 | 2.65 |
| | 11 | 2.95 |
| | 12 | 3.35 |
| | 13 | 3.70 |
| | 14 | 4.10 |
| | 15 | 4 55 |
| | 16 | 5.05 |
| | 3 | 1.55 |
| | 4 | 1.60 |
| | 5 | 1.65 |
| | 6 | 1.70 |
| | 7 | 1.95 |
| | 8 | 2.30 |
| | 9 | 2.60 |
| 1 | 10 | 2.95 |
| | 11 | 3.30 |
| | 12 | 3.65 |
| | 13 | 4.10 |
| | 14 | 4.55 |
| | 15 | 5.00 |
| | 16 | 5.55 |
| | 17 | 6.65 |
| | 8 | 2.05 |
| | 4 | 2.10 |
| | 5 | 2.15 |
| | 6 | 2.20 |
| | 7 | 2.25 |
| | 8 | 2.65 |
| | 9 | 3.00 |
| | 10 | 3.25 |
| 1 1/4 | 11 | 3.85 |
| | 12 | 4.35 |
| | 13 | 4.85 |
| | 14 | 5.35 |
| | 15 | 5.95 |
| | 16 | 6.55 |
| | 17 | 7.20 |
| | 18 | 7.85 |
| | 20 | 9.35 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| | 4 | 2.85 |
| | 5 | 2.90 |
| | 6 | 2.95 |
| | 7 | 3.00 |
| | 8 | 3.05 |
| | 9 | 3.45 |
| | 10 | 3.95 |
| 1 1/2 | 11 | 4.45 |
| | 12 | 5.00 |
| | 13 | 5.60 |
| | 14 | 6.25 |
| | 15 | 6.90 |
| | 16 | 7.60 |
| | 17 | 8 35 |
| | 18 | 9.15 |
| | 20 | 10.85 |
| | 6 | 3.75 |
| | 7 | 3.80 |
| | 8 | 3.85 |
| | 9 | 3.90 |
| | 10 | 4.45 |
| | 11 | 5.05 |
| 1 3/4 | 12 | 5.70 |
| | 13 | 6.35 |
| | 14 | 7.10 |
| | 15 | 7.90 |
| | 16 | 8.65 |
| | 17 | 9.50 |
| | 18 | 10.45 |
| | 20 | 12.40 |
| | 22 | 14.50 |
| | 24 | 16.85 |
| | 6 | 4.80 |
| | 7 | 4.85 |
| | 8 | 4.90 |
| | 9 | 4.95 |
| | 10 | 5.00 |
| | 11 | 5.65 |
| | 12 | 6.40 |
| 2 | 13 | 7.15 |
| | 14 | 7.95 |
| | 15 | 8.80 |
| | 16 | 9.75 |
| | 17 | 10.70 |
| | 18 | 11.70 |
| | 20 | 13.90 |
| | 22 | 16.80 |
| | 24 | 16.90 |

| Size. In. | Size. No. | List. $ |
|---|---|---|
| | 8 | 6.85 |
| | 9 | 6.90 |
| | 10 | 6.95 |
| | 11 | 7.00 |
| | 12 | 7.05 |
| | 13 | 7.90 |
| 2 1/4 | 14 | 8.80 |
| | 15 | 9.80 |
| | 16 | 10.75 |
| | 17 | 11.90 |
| | 18 | 13.00 |
| | 20 | 15.40 |
| | 22 | 18.05 |
| | 10 | 9.50 |
| | 11 | 9.55 |
| | 12 | 9.60 |
| | 13 | 9.65 |
| | 14 | 9.70 |
| 2 1/2 | 15 | 10.75 |
| | 16 | 11.85 |
| | 17 | 13.00 |
| | 18 | 14.30 |
| | 20 | 16.95 |
| | 22 | 19.85 |
| | 24 | 23.00 |
| | 10 | 13.70 |
| | 11 | 13.75 |
| | 12 | 13.80 |
| | 13 | 13.85 |
| | 14 | 13.90 |
| 3 | 15 | 13.95 |
| | 16 | 14.00 |
| | 18 | 16.80 |
| | 20 | 19.95 |
| | 22 | 23.40 |
| | 24 | 27.10 |
| | 26 | 31.15 |

The following varieties of Screws are invoiced from this List at varying discounts: Flat, Round, Fillister and Oval Head Screws, of brass or bronze.

*The Number of Gross in a Package is indicated by small figures on the side, divided by a star (*).

## CASE HARDENED SQUARE HEAD SET SCREWS

### PRICE PER HUNDRED

| DIAMETER OF SCREW | ¼ | 5/16 | 3/8 | 7/16 | ½ | 9/16 | 5/8 | ¾ | 7/8 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|
| THREADS TO INCH | 20 | 18 | 16 | 14 | 12 | 12 | 11 | 10 | 9 | 8 |
| LENGTH UNDER HEAD TO POINT ¾ | $2.00 | $2.20 | $2.50 | $2.90 | $3.40 | $4.25 | $5.00 | | | |
| 1 | 2.15 | 2.35 | 2.65 | 3.10 | 3.60 | 4.25 | 5.00 | $ 7.00 | | |
| 1¼ | 2.30 | 2.50 | 2.80 | 3.30 | 3.80 | 4.50 | 5.25 | 7.00 | $11.30 | |
| 1½ | 2.45 | 2.65 | 2.95 | 3.50 | 4.00 | 4.75 | 5.50 | 7.50 | 11.30 | $14.90 |
| 1¾ | 2.60 | 2.80 | 3.10 | 3.70 | 4.20 | 5.00 | 5.75 | 8.00 | 12.00 | 15.90 |
| 2 | 2.80 | 3.00 | 3.30 | 3.95 | 4.45 | 5.30 | 6.05 | 8.60 | 12.90 | 17.00 |
| 2¼ | 3.05 | 3.25 | 3.55 | 4.25 | 4.75 | 5.65 | 6.40 | 9.30 | 13.80 | 18.40 |
| 2½ | 3.30 | 3.55 | 3.85 | 4.60 | 5.10 | 6.05 | 6.80 | 10.00 | 14.80 | 19.80 |
| 2¾ | 3.55 | 3.85 | 4.20 | 5.00 | 5.50 | 6.50 | 7.25 | 10.80 | 15.90 | 21.40 |
| 3 | 3.80 | 4.15 | 4.55 | 5.45 | 5.95 | 7.00 | 7.75 | 11.70 | 17.10 | 23.00 |

State by Number kind of Point desired. 1 Cup, 2 Square, 3 Oval, 4 Flat, 5 Oval

Cup Points only kept in stock, other Points to order.

## Square Head Cap Screws

### PRICE PER HUNDRED

| DIAMETER OF HEAD | 3/8 | 7/16 | ½ | 9/16 | 5/8 | 11/16 | ¾ | 7/8 | 1⅛ | 1¼ | 1⅜ | 1½ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LENGTH OF HEAD | ¼ | 5/16 | 3/8 | 7/16 | ½ | 9/16 | 5/8 | ¾ | 7/8 | 1 | 1⅛ | 1¼ |
| DIAMETER OF SCREW | ¼ | 5/16 | 3/8 | 7/16 | ½ | 9/16 | 5/8 | ¾ | 7/8 | 1 | 1⅛ | 1¼ |
| THREADS TO INCH | 20 | 18 | 16 | 14 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 7 |
| LENGTH UNDER HEAD TO POINT ¾ | $2.40 | $2.75 | $3.20 | $3.80 | $4.40 | $5.75 | | | | | | |
| 1 | 2.60 | 2.95 | 3.40 | 4.00 | 4.70 | 5.75 | $ 7.70 | | | | | |
| 1¼ | 2.75 | 3.10 | 3.65 | 4.20 | 4.95 | 6.05 | 7.70 | $10.50 | | | | |
| 1½ | 2.90 | 3.30 | 3.85 | 4.45 | 5.25 | 6.35 | 8.25 | 10.50 | $14.00 | | | |
| 1¾ | 3.05 | 3.50 | 4.10 | 4.70 | 5.55 | 6.65 | 8.80 | 11.10 | 14.80 | $18.00 | | |
| 2 | 3.25 | 3.70 | 4.35 | 4.95 | 5.90 | 7.05 | 9.40 | 11.80 | 15.70 | 19.00 | $22.50 | |
| 2¼ | 3.50 | 4.00 | 4.65 | 5.25 | 6.30 | 7.55 | 10.10 | 12.60 | 16.70 | 20.20 | 24.00 | $30.00 |
| 2½ | 3.75 | 4.35 | 5.00 | 5.60 | 6.75 | 8.15 | 10.90 | 13.50 | 17.80 | 21.50 | 25.80 | 32.00 |
| 2¾ | 4.00 | 4.70 | 5.45 | 6.00 | 7.25 | 8.85 | 11.80 | 14.60 | 19.10 | 23.10 | 27.90 | 34.20 |
| 3 | 4.25 | 5.05 | 5.90 | 6.55 | 7.80 | 9 65 | 12.80 | 15.90 | 20.60 | 25.00 | 30.50 | 37.90 |
| Add for each ¼ inch | .25 | .35 | .45 | .55 | .65 | .90 | 1.20 | 1.50 | 1.80 | | | |

## Hexagonal Head Cap Screws

### PRICE PER HUNDRED

| DIAMETER OF HEAD | 7/16 | ½ | 9/16 | ⅝ | ¾ | 13/16 | ⅞ | 1 | 1⅛ | 1¼ | 1⅜ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LENGTH OF HEAD | ¼ | 5/16 | ⅜ | 7/16 | ½ | 9/16 | ⅝ | ¾ | ⅞ | 1 | 1⅛ |
| DIAMETER OF SCREW | ¼ | 5/16 | ⅜ | 7/16 | ½ | 9/16 | ⅝ | ¾ | ⅞ | 1 | 1⅛ |
| LENGTH UNDER HEAD TO POINT ¾ | $3.00 | $3.25 | $3.75 | $4.40 | $5.50 | $7.00 | | | | | |
| 1 | 3 25 | 3.50 | 4.00 | 4,70 | 5.70 | 7.00 | $9.50 | | | | |
| 1¼ | 3.50 | 3.75 | 4.25 | 5.00 | 6.00 | 7.50 | 9.50 | $12.20 | | | |
| 1½ | 3.75 | 4.00 | 4 50 | 5 30 | 6.30 | 8.00 | 10.00 | 12.20 | $16.00 | | |
| 1¾ | 4.00 | 4.25 | 4.75 | 5.60 | 6.60 | 8.50 | 10.60 | 12.80 | 16.60 | $21 20 | |
| 2 | 4.25 | 4.60 | 5.05 | 5.95 | 7.00 | 9.10 | 11.20 | 13.40 | 17.20 | 22 30 | $29.00 |
| 2¼ | 4.55 | 5.00 | 5.40 | 6.35 | 7.50 | 9.70 | 11.90 | 14.10 | 17.90 | 23 60 | 30.50 |
| 2½ | 4.85 | 5.40 | 5.80 | 6.80 | 8.00 | 10.40 | 12.70 | 14.90 | 18.80 | 25 10 | 32.30 |
| 2¾ | 5.15 | 5.80 | 6.30 | 7.30 | 8.60 | 11.20 | 13.60 | 15.90 | 20.00 | 26 90 | 34.40 |
| 3 | 5.45 | 6.20 | 6.80 | 7.90 | 9.20 | 12.10 | 14.70 | 17.00 | 21.80 | 29.00 | 37.00 |
| THREADS TO INCH | 20 | 18 | 16 | 14 | 12 | 12 | 11 | 10 | 9 | 8 | 7 |
| Add for each ¼ inch | .30 | .40 | .50 | .60 | .80 | 1.00 | 1.30 | 1.60 | 2.00 | 2 40 | 3.00 |

# IRON MACHINE SCREWS

## Flat, Round and Fillister Head

List of August 1st, 1894.

### PRICE PER GROSS

| 3/16 Inch. | | ¼ Inch. | | 5/16 Inch. | | ⅜ Inch. | | 7/16 Inch. | | ½ Inch. | | 9/16 Inch. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ |
| 2 @ | .23 | 2 @ | .23 | 2 @ | .23 | 2 @ | .23 | 2 @ | .23 | 2 @ | .23 | 2 @ | .23 |
| 3 " | .23 | 3 " | .23 | 3 " | .23 | 3 " | .23 | 3 " | .23 | 3 " | .23 | 3 " | .23 |
| 4 " | .23 | 4 " | .23 | 4 " | .23 | 4 " | .23 | 4 " | .23 | 4 " | .23 | 4 " | .24 |
| 5 " | .24 | 5 " | .24 | 5 " | .24 | 5 " | .24 | 5 " | .24 | 5 " | .24 | 5 " | .25 |
| 6 " | .24 | 6 " | .24 | 6 " | .24 | 6 " | .24 | 6 " | .24 | 6 " | .24 | 6 " | .27 |
| | | 7 " | .25 | 7 " | .25 | 7 " | .25 | 7 " | .25 | 7 " | .25 | 7 " | .29 |
| | | 8 " | .27 | 8 " | .27 | 8 " | .27 | 8 " | .27 | 8 " | .27 | 8 " | .31 |
| | | 9 " | .29 | 9 " | .29 | 9 " | .29 | 9 " | .29 | 9 " | .29 | 9 " | .34 |
| | | 10 " | .32 | 10 " | .32 | 10 " | .32 | 10 " | .32 | 10 " | .34 | 10 " | .36 |
| | | | | 12 " | .36 | 12 " | .36 | 12 " | .36 | 12 " | .38 | 12 " | .40 |
| | | | | 14 " | .45 | 14 " | .45 | 14 " | .45 | 14 " | .45 | 14 " | .45 |
| | | | | 16 " | .55 | 16 " | .55 | 16 " | .55 | 16 " | .55 | 16 " | .55 |
| | | | | | | | | | | 18 " | .60 | 18 " | .60 |
| | | | | | | | | | | 20 " | .65 | 20 " | .70 |
| | | | | | | | | | | 22 " | .70 | 22 " | .75 |
| | | | | | | | | | | 24 " | .75 | 24 " | .80 |

| ⅛ Inch. | | ¾ Inch. | | ⅞ Inch. | | 1 Inch. | | 1⅛ Inch. | | 1¼ Inch. | | 1⅜ Inch. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ |
| 3 @ | .25 | 4 @ | .30 | 5 @ | .35 | 6 @ | .41 | 7 @ | .47 | 8 @ | .55 | 9 @ | .62 |
| 4 " | .26 | 5 " | .32 | 3 " | .37 | 7 " | .43 | 8 " | .50 | 9 " | .57 | 10 " | .65 |
| 5 " | .27 | 6 " | .34 | 7 " | .39 | 8 " | .46 | 9 " | .53 | 10 " | .60 | 12 " | .73 |
| 6 " | .29 | 7 " | .36 | 8 " | .42 | 9 " | .48 | 10 " | .56 | 12 " | .68 | 14 " | .82 |
| 7 " | .31 | 8 " | .38 | 9 " | .44 | 10 " | .51 | 12 " | .63 | 14 " | .76 | 16 " | .90 |
| 8 " | .34 | 9 " | .40 | 10 " | .47 | 12 " | .58 | 14 " | .70 | 16 " | .85 | 18 " | 1.05 |
| 9 " | .36 | 10 " | .42 | 12 " | .53 | 14 " | .65 | 16 " | .79 | 18 " | .95 | 20 " | 1.15 |
| 10 " | .38 | 12 " | .48 | 14 " | .59 | 16 " | .75 | 18 " | .89 | 20 " | 1.05 | 22 " | 1.30 |
| 12 " | .43 | 14 " | .53 | 16 " | .67 | 18 " | .81 | 20 " | 1.00 | 22 " | 1.20 | 24 " | 1.45 |
| 14 " | .48 | 16 " | .60 | 18 " | .75 | 20 " | .91 | 22 " | 1.10 | 24 " | 1.35 | 26 " | 1.65 |
| 16 " | .60 | 18 " | .67 | 20 " | .80 | 22 " | 1.05 | 24 " | 1.25 | 26 " | 1.50 | 28 " | 1.85 |
| 18 " | .65 | 20 " | .80 | 22 " | .95 | 24 " | 1.15 | 26 " | 1 40 | 28 " | 1.70 | 30 " | 2.05 |
| 20 " | .75 | 22 " | .90 | 24 " | 1.05 | 26 " | 1.30 | 28 " | 1.55 | 30 " | 1.90 | | |
| 22 " | .85 | 24 " | .95 | 26 " | 1.20 | 28 " | 1.45 | 30 " | 1.75 | | | | |
| 24 " | .90 | 26 " | 1.10 | 28 " | 1.30 | 30 " | 1.65 | | | | | | |

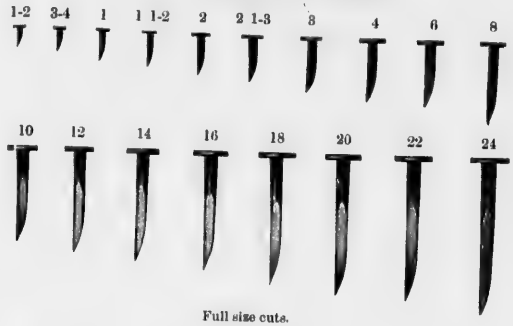
| 1½ Inch. | | 1¾ Inch. | | 2 Inch. | | 2¼ Inch. | | 2½ Inch. | | 2¾ Inch. | | 3 Inch. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ | No. | $ |
| 10 @ | .70 | 12 @ | .95 | 14 @ | 1.25 | 16 @ | 1.70 | 18 @ | 2.25 | 20 @ | 3.00 | 22 @ | 4.00 |
| 12 " | .80 | 14 " | 1.10 | 16 " | 1.40 | 18 " | 1.90 | 20 " | 2.55 | 22 " | 3.40 | 24 " | 4.50 |
| 14 " | .90 | 16 " | 1.20 | 18 " | 1.60 | 20 " | 2.15 | 22 " | 2.85 | 24 " | 3.80 | 26 " | 5.05 |
| 16 " | 1.00 | 18 " | 1.35 | 20 " | 1.80 | 22 " | 2.40 | 24 " | 3.20 | 26 " | 4.25 | 28 " | 5.70 |
| 18 " | 1.15 | 20 " | 1.50 | 22 " | 2.00 | 24 " | 2.70 | 26 " | 3.60 | 28 " | 4.80 | 30 " | 6.35 |
| 20 " | 1.25 | 22 " | 1.70 | 24 " | 2.25 | 26 " | 3.05 | 28 " | 4.05 | 30 " | 5 35 | | |
| 22 " | 1.45 | 24 " | 1.90 | 26 " | 2.55 | 28 " | 3.40 | 30 " | 4.50 | | | | |
| 24 " | 1.60 | 26 " | 2.15 | 28 " | 2.85 | 30 " | 3.80 | | | | | | |
| 26 " | 1.80 | 28 " | 2.40 | 30 " | 3.20 | | | | | | | | |
| 28 " | 2.00 | 30 " | 2.70 | | | | | | | | | | |
| 30 " | 2.25 | | | | | | | | | | | | |

### THREADS PER INCH.

| No. | 56 | 48 | 32, 36, 40 | 30, 32 | 24, 30, 32 | 20, 24 | 16, 18, 20 | 16, 18 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 3 | 4, 5 | 6, 7, 8 | 9, 10 | 12, 14 | 16 | 18, 20, 22 | 24, 26 | 28, 30 |

On Machine Screws differing from our regular Standards, special prices will be given on application.

## B B B IRON CUT TACKS




Full size cuts.

| Ounce | 1-2 to 1 | 1 1-2 | 2 | 2 1-2 | 3 | 4 | 6 | 8 |
|---|---|---|---|---|---|---|---|---|
| Inch | 3-16 | 3½-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 |
| Blued, half weight ..... Per dozen papers | $0.30 | .30 | .30 | .31 | .33 | .36 | .44 | .51 |
| Blued ..... Pound boxes or bulk | 0.65 | .46 | .43 | .36 | .31 | .28 | .24 | .21 |
| Tinned, half weight ..... Per dozen papers | .... | .... | .... | .... | .... | .68 | .76 | .83 |
| No. of tacks in a pound | 16000 | 10666 | 8000 | 6400 | 5333 | 4000 | 2666 | 2000 |

| Ounce | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---|---|---|---|---|---|---|---|---|
| Inch | 5-8 | 11-16 | 3-4 | 13-16 | 7-8 | 15-16 | 1 | 1 1-8 |
| Blued, half weight ..... Per dozen papers | $0.58 | .65 | .73 | .80 | .88 | .95 | 1.03 | 1.10 |
| Blued ..... Pound boxes or bulk | 0.19 | .18 | .17 | .16 | .16 | .15 | .15 | .15 |
| Tinned, half weight ..... Per dozen papers | 0.98 | 1.06 | 1.22 | 1.41 | .... | .... | .... | .... |
| No. of tacks in a pound | 1600 | 1333 | 1143 | 1000 | 888 | 800 | 727 | 666 |

## American Carriage
## Swedes' Iron and Upholsterers' Tacks

All kinds except Gimp and Lace.

| Ounce | 1-2 to 1 | 1 1-2 | 2 | 2 1-2 | 3 | 4 | 6 | 8 |
|---|---|---|---|---|---|---|---|---|
| Inch | 3-16 | 3½-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 |
| Blued, half weight ..... Per dozen papers | $0.35 | .35 | .35 | .40 | .45 | .50 | .61 | .71 |
| Blued ..... Pound boxes or bulk | 0.70 | .50 | .45 | .40 | .36 | .32 | .27 | .24 |
| Tinned, half weight ..... Per dozen papers | 0.58 | .58 | .58 | .64 | .70 | .82 | .93 | 1.04 |
| No. of tacks in a pound ..... Same as B B B Iron Cut Tacks. | | | | | | | | |

| Ounce | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---|---|---|---|---|---|---|---|---|
| Inch | 5-8 | 11-16 | 3-4 | 13-16 | 7-8 | 15-16 | 1 | 1 1-8 |
| Blued, half weight ..... Per dozen papers | $0.81 | .91 | 1.01 | 1.11 | 1.21 | 1.31 | 1.41 | 1.51 |
| Blued ..... Pound boxes or bulk | 0.22 | .20 | .19 | .18½ | .18 | .17½ | .17 | .17 |
| Tinned, half weight ..... Per dozen papers | 1.21 | 1.32 | 1.50 | 1.72 | 1.90 | 2.07 | 2.25 | 2.42 |
| No. of tacks in a pound ..... Same as B B B Iron Cut Tacks. | | | | | | | | |

## Tinned Tacks

All kinds not elsewhere specified.

PAPERS OR BULK, PER POUND:

| Ounce | 1 | 1 1-2 | 2 | 2 1-2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per pound .... | $1.50 | 1.00 | .75 | .68 | .62 | .55 | .41 | .35 | .32 | .30 | .29 | .29 | .28 | .28 | .27 | .27 |

## BLUED STEEL CARPET TACKS

In half gross boxes.

Packed in small wooden kegs, assorted..Per gross $4.00

ASSORTED

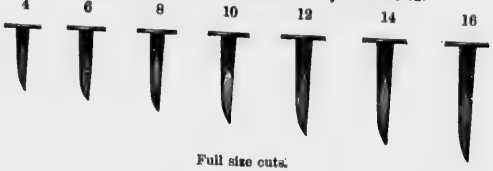
| | | | |
|---|---|---|---|
| Ounce | 6 | 8 | 10 |
| Kegs | 12 | 48 | 12 |

ALL ONE SIZE IN EACH BOX.

| | | | |
|---|---|---|---|
| Ounce | 6 | 8 | 10 |
| Per gross | $4.75 | 4.00 | 4.00 |

Tinned, add 50 per cent. to above prices.

## BBB Iron Large Head Carpet Tacks.




Full size cuts.

| Ounce | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|
| Inch | 7-16 | 1-2 | 9-16 | 5-8 | 11-16 | 3-4 | 13-16 |
| Blued, half weight .....Per dozen papers | $0.36 | .44 | .51 | .58 | .65 | .73 | .80 |
| Blued.....Pound boxes or bulk | 0.28 | .24 | .21 | .19 | .18 | .17 | .16 |
| Tinned, half weight ....Per dozen papers | 0.68 | .76 | .83 | .98 | 1.06 | 1.22 | 1.41 |
| Tinned.....Pound boxes or bulk | 0.30 | .25½ | .23 | .21½ | .20½ | .20 | .19½ |

## Leather Head Carpet Tacks.

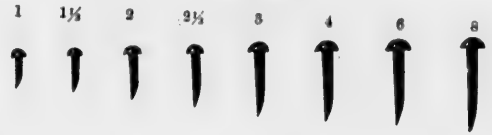
Full size cuts.

| Ounce | 4 | 6 | 8 | 10 | 12 |
|---|---|---|---|---|---|
| 100 in paper.....Per dozen | $0.30 | .30 | .30 | .32 | .34 |
| 144 in paper.....Per dozen | 0.36 | .36 | .36 | .38 | .40 |

One dozen papers in a package.

## GIMP AND LACE TACKS

GIMP TACKS.




LACE TACKS.

Full size cuts.

GIMP OR LACE.

| Ounce | | 1 | 1 1-2 | 2 | 2 1-2 | 3 | 4 | 6 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| Inch | | 7-32 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 |
| Blued, half weight | Per dozen papers | $0.43 | .43 | .50 | .54 | .61 | .68 | .79 | 86 |
| Blued | Pound boxes or bulk | 1.15 | .77 | .67 | .58 | .54 | .45 | .35 | .29 |
| Tinned, half weight | Per dozen papers | 0.72 | .72 | .72 | .79 | .86 | 1.00 | 1.15 | 1.29 |
| Tinned | Pound boxes or bulk | 1.92 | 1.28 | .96 | .84 | .77 | .67 | .51 | .43 |

## Cheese Box Tacks

SWEDES IRON.

OVAL OR FLAT HEADS.

Full size cuts.

| Ounce | 6 | 8 | 10 | 12 | 14 | 18 |
|---|---|---|---|---|---|---|
| Inch | 4-8 | 4½-8 | 5-8 | 5½-8 | 6-8 | 7-8 |
| Per pound | $0.27 | .24 | .22 | .20 | .19 | .18 |

In bulk 25 pound boxes.

## Strawberry Box Tacks

1 pound papers.

1½ ounce ..... Per pound $0.80

## COPPER TACKS

In 1 pound and ½ pound Papers.

All sizes ..... Per pound $0.66

### Double Pointed Tacks

9 10 11 12 14 3

Full size cuts.

**Blued in Paper Boxes**

| Nos. | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|
| Inch | 3½-8 | 1-2 | 4½-8 | 5-8 | 5½-8 |
| Per dozen | $1.20 | 1.30 | 1.40 | 1.60 | 1.85 |

**Blued in Bulk, 100 pound Packages**

| Nos. | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|
| Per pound | $0.46 | .42 | .41 | .40 | .39 |

**Extras, Net**

25 pound Boxes.

Per pound ..... $0.1-4 ..... Less Quantities $0.1-2

**In Kegs**

Japanned. Nos. **10** and **11** ..... Per gross $ 7.00

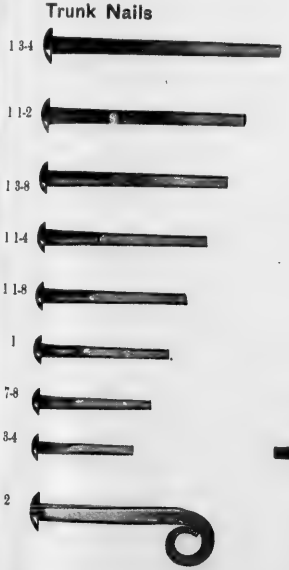
Half gross in a box.

### Double Pointed Shade Tacks

No. 3 ..... Blued. ..... Tinned.

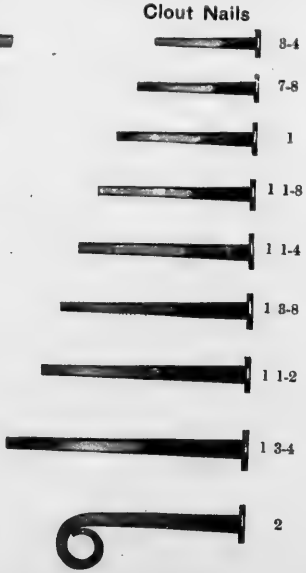
Per dozen ..... $1.20 ..... 1.35

### Trunk Nails



1 3-4 1 1-2 1 3-8 1 1-4 1 1-8 1 7-8 3-4 2

### Clout Nails



3-4 7-8 1 1 1-8 1 1-4 1 3-8 1 1-2 1 3-4 2

### Trunk and Clout Nails

In 1 pound Paper Boxes or Bulk.

| Inch. | Bright or Blued Per Pound | Tinned Per Pound | Copper Per Pound |
|---|---|---|---|
| 3-8 | $0.42 | $0.48 | $0.66 |
| 1-2 | 0.30 | 0.36 | 0.66 |
| 5-8 | 0.24 | 0.30 | 0.66 |
| 3-4 | 0.20 | 0.26 | 0.66 |
| 7-8 | 0.18 | 0.24 | 0.66 |
| 1 | 0.16 | 0.22 | 0.66 |
| 1 1-8 | 0.15 | 0.21 | 0.66 |
| 1 1-4 | 0.14 | 0.20 | 0.66 |
| 1 1-2 | 0.14 | 0.20 | 0.66 |
| 1 3-4 | 0.13 | 0.19 | 0.66 |
| 2 | 0.13 | 0.19 | 0.66 |

## PATENT BRADS

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| Half-weight, per dozen papers | $0.60 | .60 | .66 | .72 | .78 | .96 | 1.14 | 1.44 | 1.80 | 2.16 |
| 1 lb. papers or in bulk, per lb | 0.80 | .53 | .44 | .32 | .26 | .25½ | .22 | .18 | .16 | .16 |

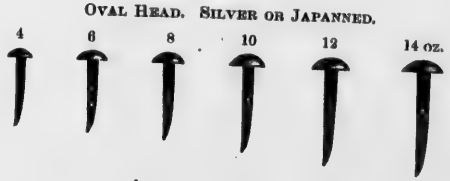
## Finishing Nails

In lb. papers or in bulk.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron, per lb | $0.42 | .30 | .24 | .20 | .18 | .16 | .15 | .14 | .14 | .13 | .13 |
| Copper or brass, all sizes | | | | | | | | | | | Per lb. $0.66 |

## Lining Nails

OVAL HEAD. SILVER OR JAPANNED.




| Ounce | 4 | 6 | 8 | 10 | 12 | 14 |
|---|---|---|---|---|---|---|
| No. in a paper | 75 | 75 | 75 | 75 | 75 | 75 |
| Per paper | $0.04 | .04 | .04 | .04 | .04 | .05 |
| In bulk, per lb | 0.80 | .68 | .60 | .55 | .50 | .50 |

Twenty papers in a package.

## SHOE FINDERS' LIST

Various other descriptions of Nails, etc., suitable for Boot and Shoe Manufacturers, in stock and made to order.

| | | | |
|---|---|---|---|
| Iron Shoe Nails | 10 cts. per lb. | Diamond Head Zinc Nails | 27 cts. per lb. |
| Soft Steel Shoe Nails | 12 " | Copper Shoe Nails | 50 " |
| Swede's Iron Shoe Nails | 14 " | Brass Shoe Nails | 45 " |
| Zinc Shoe Nails | 17½ " | Copper Gimp Nails or Tacks | 69 " |
| Zinc Shank Nails | 23 " | | |

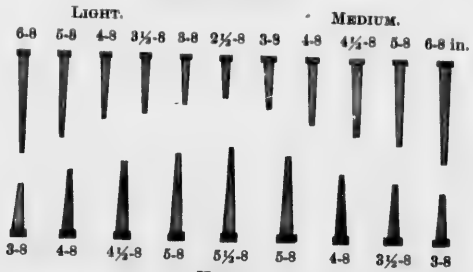
### Round Head Hungarian Nails

In 1-2 or 1 lb. papers.

| | 2-8 & 2½-8 in. | 3-8 & 3½-8 in. | 4-8 in. and longer. |
|---|---|---|---|
| BBB Iron Hungarian Nails | 15 | 14 | 13 cts. per lb. |
| Swede's " " | 17½ | 16¼ | 16 " |
| Hob Nails, Swedes Iron, all sizes | 17 cts. per lb. in ½ lb. papers. | | |
| Tempered Steel Shoe Nails, all sizes | 30 " " 1 " | | |

| | 4-8 in. and shorter. | 5-8 in. | 6-8 in. and longer. |
|---|---|---|---|
| Tempered Steel Shoe Nails | 37 | 43½ | 52 cts. per M. |

### Channel Nails




| | 2½-8 in. | 3-8 in. | 3½-8 in. | 4-8 in. | 4½-8 in. | 5-8 in. and longer. |
|---|---|---|---|---|---|---|
| Channel Nails | 63 | 35 | 30 | 27 | 25 | 23 cts. per lb. |

| | 1-2 oz. | 6-4 oz. | 1 oz. | 1½ oz. | 2 oz. | 2½ oz. | 3 oz. | 4 oz. |
|---|---|---|---|---|---|---|---|---|
| Shoe Tacks | $1.10 | 70 | 50 | 32 | 30 | 27½ | 26 | 26 cts. per lb. |
| " | 39 | 39 | 39 | 39 | 48 | 54 | 58 | 58 " doz. |

| | 3-8 in. | 3½-8 in. | 4-8 in. and longer. |
|---|---|---|---|
| Miners' Tacks | 23 | 20 | 16 cts. per lb. |

## SHOE FINDERS' LIST

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Countersunk Swedes Nails | 3-8 in. 29 | 3½-8 in. 24 3-4 | 4-8 & 4½-8 in. 21 3-4 | 5-8 & 5½-8 in. 20 1-4 | 6-8 in. 19 | 7-8 in. 17 1-2 | 8-8 in. and longer. 16 cts. per lb. |
| Iron Gimp Nails | 2½-8 in. 65 | 3-8 in. 46 | 3½-8 in. 40 1-2 | 4-8 in. 32 1-2 | 4½-8 in. 29 3-4 | 5-8 in. 27 | 5½-8 in. 24 | 6-8 in. 21 1-2 cts. per lb. |

Heel Plate Nails, 16 cents per lb.

Any goods on Shoe Finders' List not specified, tinned at an advance of 5 cents per pound.

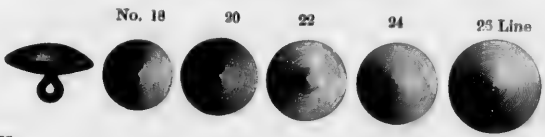
### Saddle Nails

FLAT OR OVAL, SILVER OR JAPANNED.

| No | 3 | 4 | 4 | 4 |
|---|---|---|---|---|
| Inch | 1 | 1 | 1 1-8 | 1 1-4 |
| No. in a paper | 100 | 100 | 100 | 100 |
| Per paper | $0.10 | .10 | .10 | .10 |

Twenty papers in a package.

### Japanned Tufting Buttons

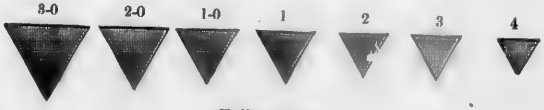



Japanned, 20 and 22 lines.....Per great gross $2.50

Twelve papers (one great gross) in a package.

### Glaziers' Points

TRIANGLE.




Full size cuts.

Zinc Glaziers' Points.....Per paper $0.07

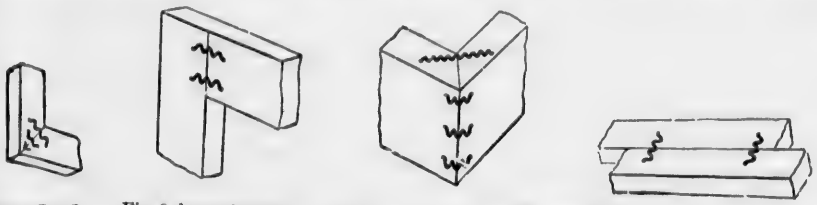
In half pound papers.

## CORRUGATED STEEL FASTENER

No. 2. No. 3. No. 4. No. 6. No. 7.

The accompanying illustrations show **The Corrugated Steel Fastener**, which is made of sheet steel, to which is imparted, by means of special machinery, a sharp penetrating edge, adapted to be readily driven into soft or hard wood, irrespective of the direction of the grain, and when so driven, its abrupt corrugations interlock with the wood and hold it firmly together.

It supplies a long-felt want to those who are seeking for some simple and effective device, whose applications are more numerous and effective than the ordinary nail or wood screw. To the practical mechanic it is useless to further point out the endless variety of situations where this fastening device can be advantageously used. Its utility has been thoroughly demonstrated.



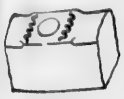


Fig. 8.

Fig. 8 shows the Fastener applied to prevent splitting at a mortise. When so applied to the rims of wheels, it positively prevents splitting out from the spoke tenons.

Fig. 9.

Fig. 9 shows its application as a means to prevent slipping or warping.

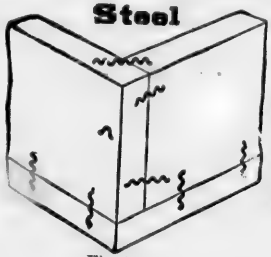



Fig. 10.

Fig. 10 shows its use in making boxes. Its application makes a much firmer, stronger box and at much less expense than by the use of nails or screws.

| Depth. | Number of Corrugations. | Price per 1000. | Depth. | Number of Corrugations. | Price per 1000. | Depth. | Number of Corrugations. | Price per 1000. | Depth. | Number of Corrugations. | Price per 1000. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8 Inch | 1 | $0.25 | 3/8 Inch | 1 | $0.40 | 5/8 Inch | 1 | $0.65 | 7/8 Inch | 1 | $0.90 |
| | 2 | .45 | | 2 | .70 | | 2 | .85 | | 2 | 1.15 |
| | 3 | .50 | | 3 | .70 | | 3 | 1.00 | | 3 | 1.50 |
| | 4 | .65 | | 4 | .85 | | 4 | 1.20 | | 4 | 1.70 |
| | 5 | .80 | | 5 | 1.03 | | 5 | 1.35 | | 5 | 2.00 |
| | 6 | .95 | | 6 | 1.20 | | 6 | 1.50 | | 6 | 2.30 |
| | | | | 7 | 1.40 | | 7 | 1.70 | | 7 | 2.60 |
| | | | | 8 | 1.60 | | 8 | 1.90 | | 8 | 2.90 |
| 1/4 Inch | 1 | $0.30 | 1/2 Inch | 1 | $0.50 | 3/4 Inch | 1 | $0.75 | 1 Inch | 1 | $1.05 |
| | 2 | .50 | | 2 | .70 | | 2 | 1.00 | | 2 | 1.25 |
| | 3 | .60 | | 3 | .85 | | 3 | 1.15 | | 3 | 1.50 |
| | 4 | .70 | | 4 | 1.00 | | 4 | 1.40 | | 4 | 1.80 |
| | 5 | .90 | | 5 | 1.20 | | 5 | 1.60 | | 5 | 2.10 |
| | 6 | 1.05 | | 6 | 1.35 | | 6 | 1.80 | | 6 | 2.40 |
| | 7 | 1.20 | | 7 | 1.50 | | 7 | 2.00 | | 7 | 2.70 |
| | | | | 8 | 1.70 | | 8 | 2 20 | | 8 | 3.00 |

When ordering, give depth and number of corrugations. Any number of corrugations desired can be supplied.

## FURNITURE NAILS

With Steel Pins.

No. 137 China nail.

No. 137 1-2 Fancy disk.

### Porcelain Head.

No. **137** ..... Per 1000 $0.75

### Gilt Disks.

No. **137 1-2**—Gilt Disks for porcelain head nails..... Per 1000 $0 65

One thousand in a box.

No. 43.

No. 6.

No. 5.

No. 4.

No. 530.

No. 526Y.

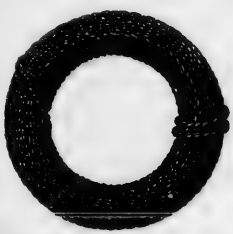
No. 528E.

No. **42** —Gilt furniture nails, large head ..... Per 1000 $0.55
No. **43** —Gilt furniture nails, medium head ..... Per 1000 .50
No. **6** —Gilt furniture nails, cone head ..... Per 1000 .80
No. **5** —Gilt furniture nails, cone head ..... Per 1000 .90
No. **4** —Gilt furniture nails, cone head ..... Per 1000 1.30
No. **530** —Gilt furniture nails, fancy head ..... Per 1000 4.25
No. **526Y**—Gilt furniture nails, fancy head ..... Per 1000 3.00
No. **528E**—Gilt furniture nails, fancy head ..... Per 1000 3.60

### Brass Drugget Pins.

With Steel Points.

| Inch | 1-2 | 5-8 | 3-4 |
|---|---|---|---|
| Per gross | $0.70 | .70 | .70 |



Warranted 25 yards in a coil.

### Braided Wire Picture Cord.

Tinned.

| Nos | 0 | 1 | 2 | 3 |
|---|---|---|---|---|
| Per dozen coils | $0.55 | .75 | 1.80 | 1.90 |

One dozen coils in a box.

## BRASS HEAD PICTURE NAILS

Full size cut of 2 inch.

| Inch | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 |
|---|---|---|---|---|---|---|
| Per gross | $0.45 | .55 | .70 | .80 | 1.00 | 1.15 |

One gross in a box.

## Picture Nails

With Slide Head.

Full size cut of No. 9.

Full size cut of Nos. 106 and 107.

| | | | |
|---|---|---|---|
| No. 9—2 1-2 inch, white porcelain centre, plain brass rim | Per gross | $2.25 |
| No. 9—3 inch, white porcelain centre, plain brass rim | Per gross | 2.25 |
| No. 106—2 1-2 inch, green glass centre, plain rim | Per gross | 4.50 |
| No. 107—2 1-2 inch, blue glass centre, plain rim | Per gross | 4.50 |

One-quarter gross in a box.

## Brass Escutcheon Pins

In one pound boxes.

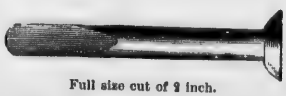
| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|
| Per pound | $0.57 | .55 | .54 | .53 | .51 | .50 |

## Curtain Stretcher Pins

| | | |
|---|---|---|
| Steel plated, 7-8 x 19 | Per pound | $0.50 |
| Brass plated, 7-8 x 19 | Per pound | 1.75 |

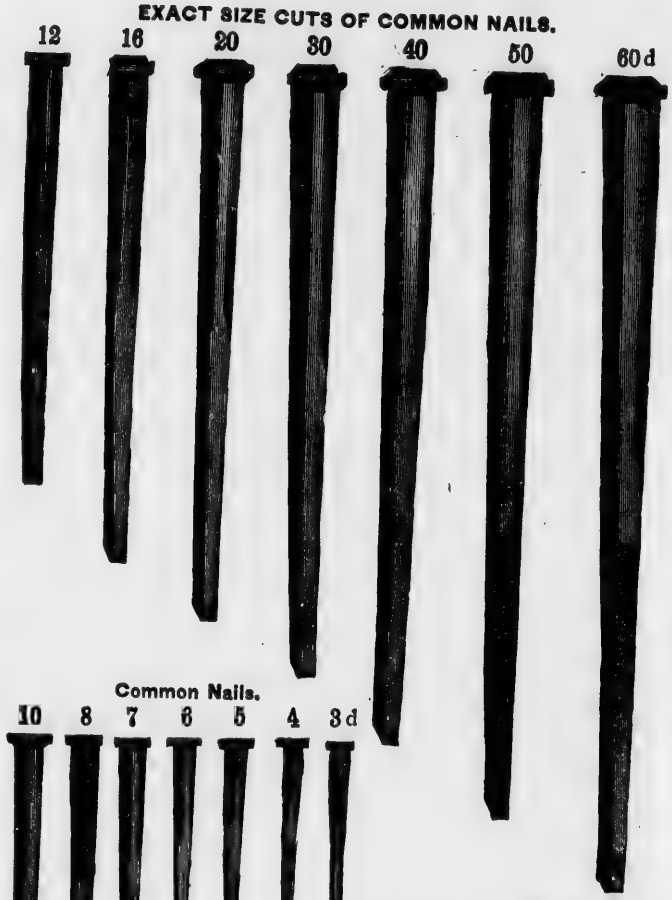
One pound in a box.

## Nettlefold's Countersunk Clout Nails

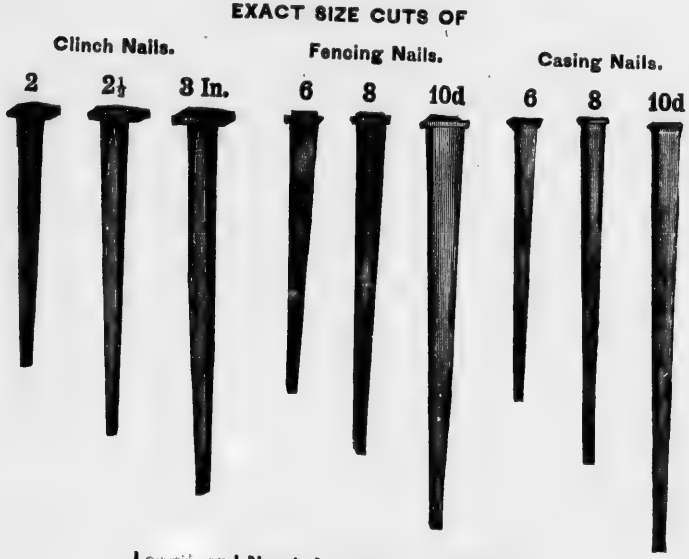


Full size cut of 2 inch.

| Length | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-2 |
|---|---|---|---|---|---|---|---|---|---|---|
| Diameter W.G | 8 | 7 | 7 | 5 | 3 | 3 | 2 | 2 | 1 | 1 |
| Per pound | $0.15 | .14 | .13 | .12 | .11 | .10 1-2 | .10 1-2 | .10 1-2 | .10 1-4 | .10 1-4 |


EXACT SIZE CUTS OF COMMON NAILS.
12
16
20
30
40
50
60d
Common Nails.
10
8
7
6
5
4
3d
Fine Blued.
3
2d
Barrel.
1⅜
1
⅞ in.

## EXACT SIZE CUTS OF




## Length and Number of Nails to the Pound.

| Sizes. | Description. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Common. | Clinch. | Fence. | Finishing. | Fine. | Barrel. | Casing. | Brads. | Cut Spikes. | Length, Inches. |
| 3-4 In. | ..... | ..... | ..... | ..... | ..... | 800 | ..... | ..... | ..... | 3-4 |
| 7-8 In. | ..... | ..... | ..... | ..... | ..... | 600 | ..... | ..... | ..... | 7-8 |
| 2d. | 800 | ..... | ..... | 1100 | 1000 | 450 | ..... | ..... | ..... | 1 |
| 3d. | 464 | ..... | ..... | 800 | 800 | 224 | ..... | ..... | ..... | 1¼ |
| 4d. | 296 | ..... | ..... | 570 | 368 | 180 | 388 | ..... | ..... | 1½ |
| 5d. | 224 | ..... | ..... | 410 | ..... | ..... | ..... | ..... | ..... | 1¾ |
| 6d. | 168 | 95 | 84 | 290 | ..... | ..... | 224 | 126 | ..... | 2 |
| 7d. | 120 | 74 | 64 | 225 | ..... | ..... | ..... | 98 | ..... | 2¼ |
| 8d. | 88 | 62 | 48 | 175 | ..... | ..... | 128 | 75 | ..... | 2½ |
| 9d. | 70 | 53 | 36 | 130 | ..... | ..... | 110 | 65 | ..... | 2¾ |
| 10d. | 60 | 46 | 30 | 102 | ..... | ..... | 91 | 55 | 28 | 3 |
| 12d. | 48 | 42 | 24 | 76 | ..... | ..... | 71 | 40 | ..... | 3¼ |
| 16d. | 36 | 38 | 20 | 62 | ..... | ..... | 54 | 27 | 22 | 3½ |
| 20d. | 24 | 33 | 16 | 54 | ..... | ..... | 40 | ..... | 14½ | 4 |
| 30d. | 17 | 20 | ..... | ..... | ..... | ..... | 33 | ..... | 12½ | 4½ |
| 40d. | 13 | ..... | ..... | ..... | ..... | ..... | 27 | ..... | 9½ | 5 |
| 50d. | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 5½ |
| 60d. | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6 | 6 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5½ | 6½ |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4½ | 7 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2½ | 8 |

# IRON AND STEEL NAILS

## SCHEDULE OF EXTRAS

**Adopted by the Cut Nail Association, January 10th, 1893. Subject to change without notice.**

---

### STANDARD LIST.

### Cut Nails, Fence and Cut Spikes

Base price 50d. and 60d. Iron. $ Steel 10 cts. extra.

| | | | |
|---|---|---|---|
| 40d | Hot cut | $0.05 | per 100 lbs. |
| 30d | " | 0.10 | " |
| 20d, 16d and 12d | " | 0.15 | " |
| 10d | " | 0 20 | " |
| 8d and 9d | " | 0.25 | " |
| 6d and 7d | " | 0.40 | " |
| 4d and 5d | " | 0.60 | " |
| 3d | " | 1.00 | " |

| | | | |
|---|---|---|---|
| 2d | Hot cut | $1.50 | per 100 lbs. |
| 4d and 5d | Cold cut, not polished or blued | 0.50 | " |
| 3d and 5d | Cold cut, not polished or blued | 0.90 | " |

FINE BLUED NAILS.

| | | |
|---|---|---|
| 3d. Fine | $1.50 | per 100 lbs. |
| 2d. Fine | 2.00 | " |

Nails packed in 50 lb. kegs, 10c. extra.

### Casing and Box, Flooring, Shook and Tobacco Box Nails

| Per 100 lbs | 2d. | 3d. | 4d. to 5d. | 6d. to 7d. | 8d. to 9d. | 10d. | 12d. to 30d. |
|---|---|---|---|---|---|---|---|
| | $1.75 | 1.50 | 1.10 | .90 | .75 | .60 | .50 |

### Finishing Nails, A P and C P

| Inch | 1 | 1 1-4 | 1 1-2 to 1 3-4 | 2 to 2 1-4 | 2 1-2 to 2 3-4 | 3 |
|---|---|---|---|---|---|---|
| Per 100 lbs | $2.25 | 1.75 | 1.35 | 1.15 | 1.00 | .85 |

### Clinch Nails, Light, Medium and Heavy

| Inch | 1 | 1 1-4 | 1 1-2 to 1 3-4 | 2 to 2 1-4 | 2 1-2 to 2 3-4 | 3 |
|---|---|---|---|---|---|---|
| Per 100 lbs | $2.50 | 2.00 | 1.35 | 1.15 | 1.00 | .85 |

### Pressed Nails, Flat and Sharp

| Inch | 1 | 1 1-4 | 1 1-2 to 1 3-4 | 2 to 2 1-4 | 2 1-2 to 2 3-4 | 3 |
|---|---|---|---|---|---|---|
| Per 100 lbs | $3.00 | 2.50 | 1.85 | 1.65 | 1.50 | 1.35 |

NOTE.—Clinch and Pressed Nails packed in 50 lb. boxes.

### Flour Barrel Nails

**Best Flour Barrel Nails (for Heading)**

| Inch | 3-4 | 7-8 | 1 | 1 1-8 |
|---|---|---|---|---|
| Per keg | $8.25 | 7.75 | 7.50 | 7.00 |

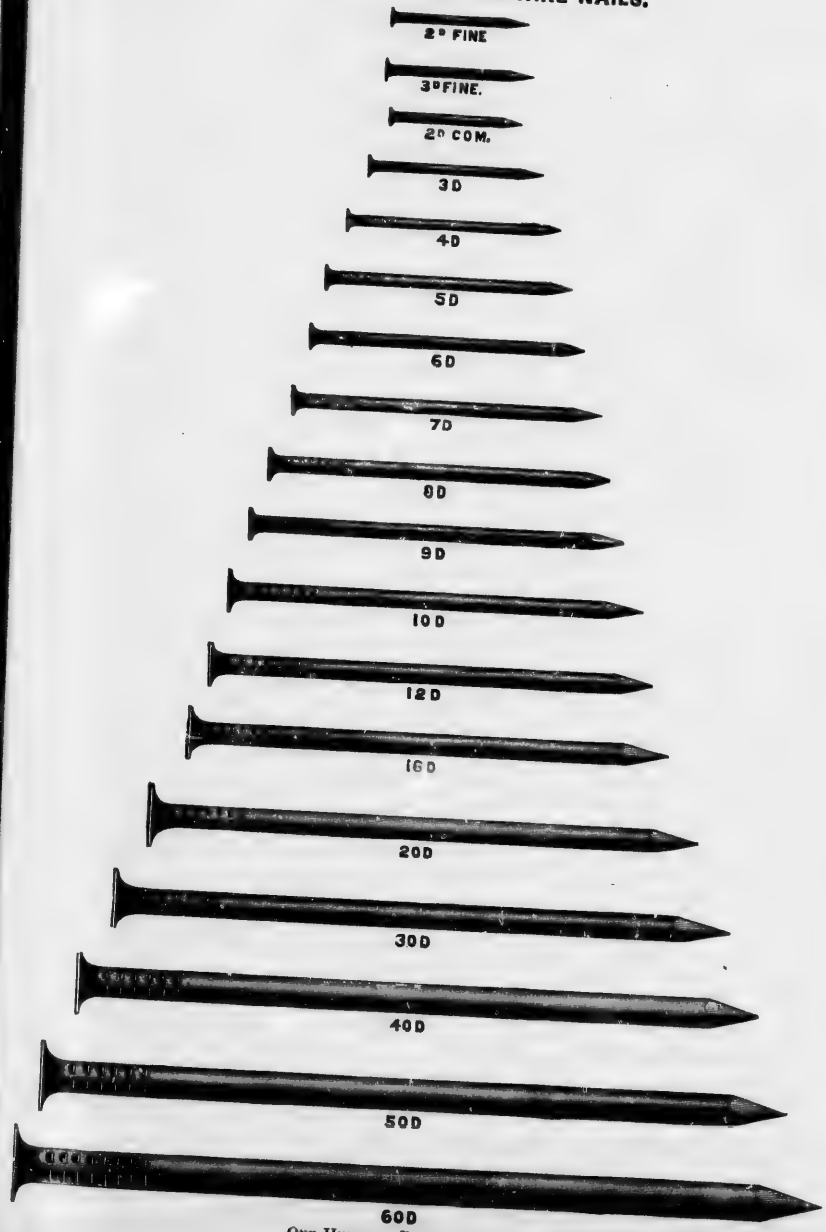
**Coopers' Nails (for Clinching)**

| Inch | 3-4 | 7-8 | 1 | 1 1-8 |
|---|---|---|---|---|
| Per keg | $8.25 | 7.75 | 7.50 | 7.00 |

**Common Flour Barrel Nails**

| Inch | 3-4 | 7-8 | 1 | 1 1-8 |
|---|---|---|---|---|
| Per 100 lbs | $2.25 | 1.75 | 1.50 | 1.25 |

## STANDARD STEEL WIRE NAILS.




ONE HUNDRED POUNDS IN A KEG.

## STANDARD STEEL WIRE NAILS

Full size cuts.

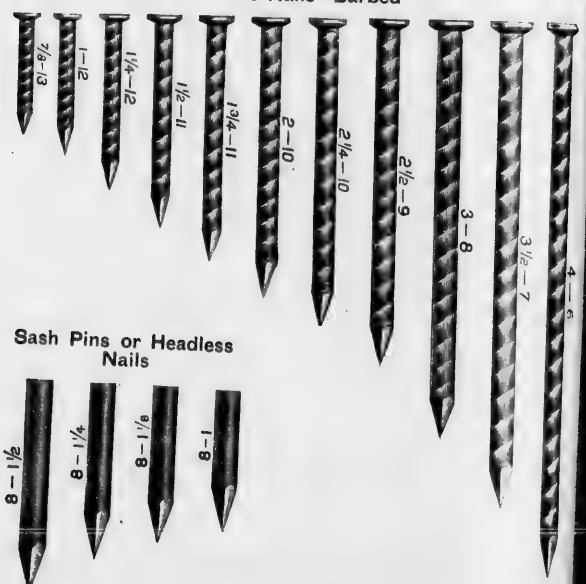
### Steel Wire Moulding Nails.

### Wire Slating Nails

BARBED AND PLAIN.

### Car Nails

### Wire Nails—Barbed




### Sash Pins or Headless Nails

## STANDARD STEEL WIRE NAILS

**Manufacturers' List.**

ADOPTED JANUARY 1ST, 1895.

| Standard Common Nails. IN KEGS. Size | Length in Inches | Gauge | LIST PRICE | Moulding | Finishing and Casing | Flooring | Clinch, Long Point | Clinch, Flat Point | Slating and Roofing | Box | Fence | Shingle | Tobacco | Barrel | Eave Trough Spikes | Common Spikes | Oval Hd. Car |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | STANDARD GAUGES | | | | | | | | | | | | | |
| | | | | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge | Ge |
| 2d | 1 | 16 | 20c. | 16 | 17 | .. | 14 | 14 | 12 | 16 | .. | .. | .. | 14 | .. | .. | .. |
| 3dr | 1⅛ | 16 | 20 | 16 | 17 | .. | .. | .. | 12 | .. | .. | .. | .. | 14 | .. | .. | .. |
| 3d | 1¼ | 15 | 18 | 15 | 16 | .. | 13 | 14 | 11 | 15 | .. | 13 | .. | 14 | .. | .. | .. |
| 4d | 1½ | 14 | 16 | 14 | 15 | .. | 12 | 13 | 11 | 15 | .. | 13 | 12 | 13 | .. | .. | 12 |
| 5d | 1¾ | 13 | 16 | 13 | 14 | .. | 12 | 13 | 10 | 14 | 10 | 12 | 12 | 13 | .. | .. | 10 |
| 6d | 2 | 12 | 15 | 12 | 13 | 11 | 11 | 12 | 10 | 13 | 10 | 12 | 11 | .. | .. | .. | 10 |
| 7d | 2¼ | 12 | 15 | 12 | 13 | 11 | 11 | 12 | .. | 13 | 9 | 11 | 11 | .. | .. | .. | 9 |
| 8d | 2½ | 11 | 14 | 11 | 12 | 10 | 10 | 11 | .. | 12 | 9 | .. | 10 | .. | .. | .. | 9 |
| 9d | 2¾ | 11 | 14 | 11 | 12 | .. | 10 | 10 | .. | 12 | 8 | .. | 10 | .. | .. | .. | 8 |
| 10d | 3 | 10 | 13 | 10 | 11 | .. | 9 | 9 | .. | 11 | 7 | .. | 9 | .. | .. | .. | 7 |
| 12d | 3¼ | 9 | 13 | 9 | 11 | .. | .. | .. | .. | 11 | 6 | .. | .. | .. | .. | .. | 7 |
| 16d | 3½ | 8 | 13 | 8 | 10 | .. | .. | .. | .. | 10 | 5 | .. | .. | .. | .. | .. | 6 |
| 20d | 4 | 7 | 13 | 7 | 9 | .. | .. | .. | .. | 9 | 4 | .. | .. | .. | .. | 3 | 6 |
| 30d | 4½ | 6 | 13 | .. | 7 | .. | .. | .. | .. | 8 | .. | .. | .. | .. | 6 | 3 | 6 |
| 40d | 5 | 5 | 12 | .. | 6 | .. | .. | .. | .. | 7 | .. | .. | .. | .. | 5 | 2 | 5 |
| 50d | 5½ | 4 | 12 | .. | 5 | .. | .. | .. | .. | 6 | .. | .. | .. | .. | 4 | 2 | 4 |
| 60d and longer | 6 | 3 | 12 | .. | 4 | .. | .. | .. | .. | 5 | .. | .. | .. | .. | 3 | 1 | 4 |
| Net extras over same length Common Nails | | | | ¼c. | ½c. | ¼c. | ½c | ¾c. | ¼c. | ¼c. | ¼c. | ¼c. | ¼c. | ¼c. | ¼c. | ..... | ¼c. per lb. |

### OTHER EXTRAS, NET.

Barbing, Annealing, Special Heads, Special Points ..... ¼ cent per lb. each, net
Packing in 25 and 50 lb. boxes ..... ¼ " "
Packing in less than 25 lbs., and in 1 lb. papers ..... ¼ " "
Blued or Coated Nails ..... ½ " "

Moulding, Finishing, Casing, Flooring, Clinch, Slating, Roofing, Box, Fence, Shingle, Tobacco, Barrel, Eave Trough Spikes, and Car Nails of the Gauges named above will be charged at Common Nail List, with extras as shown. 5 cents per 100 lbs. net
All other Sizes and Gauges will be charged by the Miscellaneous List.

## Miscellaneous Wire Nail List

APPLYING TO ALL NAILS EXCEPT STANDARD NAILS IN KEGS.

| Length | Gauge | Per lb. |
|---|---|---|
| ½ in. | No. 19 and heavier | 60c |
| | " 20 | 80 |
| | " 21 | 95 |
| ⅝ in. | " 18 and heavier | 45 |
| | " 19 | 50 |
| | " 20 | 65 |
| | " 21 | 75 |
| ¾ in. | " 17 and heavier | 40 |
| | " 18 | 45 |
| | " 19 | 50 |
| | " 20 | 55 |
| ⅞ in. | " 17 and heavier | 30 |
| | " 18 | 35 |
| | " 19 | 40 |
| | " 20 | 45 |
| 1 in. | " 16 and heavier | 30 |
| | " 17 | 32 |
| | " 18 | 32 |
| | " 19 | 35 |
| ⅞ in. | No. 14 and heavier | 25c |
| | " 15 | 27 |
| | " 16 | 27 |
| | " 17 | 30 |
| | " 18 | 30 |
| 1 and 1⅛ in. | " 15 and heavier | 25 |
| | " 16 | 26 |
| | " 17 | 27 |
| | " 18 | 28 |
| 1¼ and 1⅜ in. | " 14 and heavier | 21 |
| | " 15 | 22 |
| | " 16 | 23 |
| | " 17 | 25 |
| 1½ in. | " 13 and heavier | 19 |
| | " 14 | 21 |
| | " 15 | 23 |
| | " 16 | 25 |
| 1⅝ in. | No. 12 and heavier | 18c |
| | " 13 | 19 |
| | " 14 | 20 |
| | " 15 | 28 |
| 2 and 2¼ in. | " 12 and heavier | 17 |
| | " 13 | 20 |
| | " 14 | 22 |
| 2½ and 2¾ in. | " 10 and heavier | 16 |
| | " 11 | 17 |
| | " 12 | 18 |
| | " 13 | 19 |
| 3 and 3¼ in. | " 9 and heavier | 15 |
| | " 10 | 16 |
| | " 11 | 17 |
| | " 12 | 18 |
| 3½ and 4 in. | " 8 and heavier | 14 |
| | " 9 | 16 |
| 3½ and 4 in. | No. 10 and heavier | 16c |
| | " 11 | 18 |
| 4½ in. | " 6 and heavier | 14 |
| | " 7 | 15 |
| | " 8 | 16 |
| | " 9 | 17 |
| 5 in. | " 5 and heavier | 14 |
| | " 6 | 15 |
| | " 7 | 16 |
| | " 8 | 17 |
| 5½ in. | " 4 and heavier | 14 |
| | " 5 | 15 |
| | " 6 | 16 |
| 6 in. and longer | " 3 and heavier | 14 |
| | " 4 | 15 |
| | " 5 | 16 |

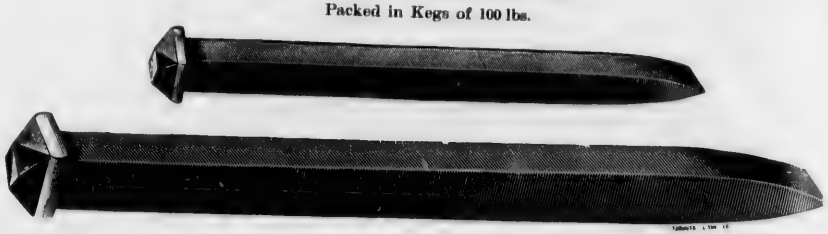
### NET EXTRAS.

Sash Pins or Headless Nails ..... ½ cent per lb. extra, net
Barbing, Annealing, Special Heads, Special Points ..... ½ " "
Tinning, up to ¾ inch ..... ⅞ " "
Tinning, ⅞ inch and longer ..... 6 " "
Galvanizing ..... 3 " "
Packing in 25 and 50 lb. boxes ..... ¼ " "
Packing in less than 25 lbs. and in lb. papers ..... ½ " "
Blued or Coated Nails ..... 5 cts. per 100 lbs. "

**In addition to these Extras—Nails on the above list in less than 100 lbs. of one size, 1c. per lb. Extra, Net.**

## PRESSED OR SHIP SPIKES

Packed in Kegs of 100 lbs.



| | | |
|---|---|---|
| 1-4 x 3 1-2 in and longer | Per 100 lbs. | $4.75 |
| 5-16 x 4 " " | " " | 4.50 |
| 3-8 x 4 " " | " " | 4.25 |
| 7-16 x 4 in. and upwards | " " | 3.90 |

Galvanized Spikes Extra Net, per lb. 2½ cents.

### Approximate Number to a Keg of 100 lbs.

| Length | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 |
|---|---|---|---|---|---|
| 3 inches | 1500 | .... | .... | .... | .... |
| 3 1-2 " | 1260 | 806 | .... | .... | .... |
| 4 " | 1100 | 757 | .... | .... | .... |
| 4 1-2 " | 976 | 710 | .... | .... | .... |
| 5 " | 920 | 620 | 495 | .... | .... |
| 6 " | 862 | 579 | 380 | .... | .... |
| 7 " | 774 | 442 | 322 | 297 | .... |
| 8 " | .... | 424 | 304 | 256 | 204 |
| 9 " | .... | 382 | 283 | 200 | 171 |
| 10 " | .... | .... | 261 | 180 | 160 |
| 11 " | .... | .... | .... | 166 | 148 |
| 12 " | .... | .... | .... | 158 | 136 |
| | | | | | 120 |

### Approximate Number of Street and Tram Rail Spikes in Keg of 150 lbs. Countersunk Heads.

| Size | Approximate Number in Keg | Number to Lay 1 Mile—Holes 2 Feet Apart | | |
|---|---|---|---|---|
| | | Pounds | | Kegs |
| 2 1-2 x 1-4 | 2300 | 345 | or | 2 1-3 |
| 2 1-2 x 5-16 | 1720 | 565 | or | 3 3-4 |
| 3 x 5-16 | 1250 | 640 | or | 4 1-4 |
| 3 1-2 x 5-16 | 1150 | 690 | or | 4 3-5 |
| 5 x 5-16 | 900 | 880 | or | 5 7-8 |
| 6 x 5-16 | 840 | 940 | or | 6 1-3 |
| 4 x 1-2 | 530 | 1500 | or | 10 |
| 4 1-2 x 1-2 | 480 | 1650 | or | 11 |
| 6 x 1-2 | 360 | 2190 | or | 14 5-8 |
| 6 x 9-16 | 270 | 2930 | or | 19 1-2 |

### Approximate Number of Railway Spikes in Keg of 150 lbs.

| Size Measured over All | Approximate Number in Keg | Number to Lay 1 Mile Track, 4 to Tie—Ties 2 Feet from Centre to Centre. | | | Rails used Weight per Yard |
|---|---|---|---|---|---|
| | | Pounds | | Kegs | |
| 6 x 9-16 | 280 | 5670 | or | 38 | 45 to 70 lbs. |
| 5 1-2 x 9-16 | 300 | 5170 | or | 35 | 40 to 56 lbs. |
| 5 x 1-2 | 400 | 3960 | or | 27 | 35 to 40 lbs. |
| 4 1-2 x 1-2 | 450 | 3520 | or | 24 | |
| 4 x 1-2 | 510 | 3110 | or | 21 | 30 to 35 lbs. |
| 5 x 7-16 | 510 | 3110 | or | 21 | |
| 4 1-2 x 7-16 | 630 | 2560 | or | 17 | 28 to 30 lbs. |
| 4 x 7-16 | 675 | 2350 | or | 16 | |
| 4 x 3-8 | 890 | 1780 | or | 12 | 20 to 28 lbs. |
| 3 1-2 x 3-8 | 1080 | 1540 | or | 10 1-5 | 16 to 20 lbs. |
| 3 x 3-8 | 1200 | 1320 | or | 8 4-5 | 12 lbs. |
| 3 x 5-16 | 1620 | 1000 | or | 6 1-2 | 8 lbs. |

## DRY COLORS

### Lamp Black

Germantown Refined Lamp Black, assorted packages ..... Per lb. $....
Germantown Refined Lamp Black, 1 lb. packages ..... Per lb. ....
Germantown Refined Lamp Black, 1 2 lb. packages ..... Per lb. ....
Germantown Refined Lamp Black, 1-4 lb. packages ..... Per lb. ....
Coach Painters' Refined Lamp Black, 1-2 lb. packages ..... Per lb. ....

### Blue

Ultramarine Blue, in 28 lb. boxes ..... Per lb. $....
Prussian Blue ..... Per lb. ....

### Brown

Spanish Brown ..... Per lb. $....
Vandyke Brown ..... Per lb. ....

### Green

Brunswick Green ..... Per lb. $....
Chrome Green, in bulk, light and medium ..... Per lb. ....
Chrome Green, 6 lb. tins, light and medium ..... Per lb. ....
Paris Green (pure), in 1-2 lb., 1 lb., 25 lb., 50 lb., 100 lb. and 250 lb. packages ..... Per lb. ....

### Mineral

Mineral Paint, Chocolate ..... Per 100 lbs. $....
Mineral Paint, Stone ..... Per 100 lbs. ....
Mineral Paint, Red, Brown and Slate ..... Per 100 lbs. ....
In 400 lb. barrels.

### Oxides

Metallic Oxide, Canadian ..... Per 100 lbs. $....
In barrels about 400 lbs.
Metallic Oxide, English ..... Per 100 lbs. $....
In casks about 800 lbs.

### Red

Indian Red ..... Per lb. $....
Tuscan Red ..... Per lb. ....
Venetian Red ..... Per 100 lbs. ....
Turkey Red ..... Per lb. ....
Red Lead, genuine { in 100 lb. kegs ..... Per 100 lbs. ....
in 560 lb. casks ..... Per 100 lbs. ....

### Vermilion

Cuban Vermilion, 6 lb. tins or in bulk ..... Per lb. $....
Mexican Vermilion, 6 lb. tins or in bulk ..... Per lb. ....
Sienna, Raw Italian ..... Per lb. $....
Sienna, Burnt Italian ..... Per lb. ....
Umber, Raw Turkey ..... Per lb. ....
Umber, Burnt Turkey ..... Per lb. ....

### White Lead

White Lead, genuine, in 100 lb. kegs ..... Per 100 lbs. $....

### Yellow

Yellow Ochre ..... Per 100 lbs. $....
Golden Ochre ..... Per 100 lbs. ....
Chrome Yellow, L. M. & D., in bulk ..... Per lb. ....
Chrome Yellow, L. M. & D., 6 lb. tins ..... Per lb. ....

Genuine White Zinc (V. M.) ..... Per 100 lbs. ....

### Whiting

Best London Washed Whiting ..... Per 100 lbs. $....
In barrels of 375 lbs.

### Pumice Stone

Lump ..... Per lb. $.... | Powdered ..... Per lb. $. ..

### Alabastine

For tinting walls, etc., easily applied and ready for the brush by adding cold water. Sample card, showing different shades, sent on application.

## PURE COLORS IN OIL

IN SMALL TINS.

| | | |
|---|---|---|
| Burnt Umber | Per lb. | $.... |
| Raw Umber | Per lb. | .... |
| Burnt Sienna | Per lb. | .... |
| Raw Sienna | Per lb. | .... |
| Drop Black | Per lb. | .... |
| Refined Lamp Black | Per lb. | .... |
| Ivory Black | Per lb. | .... |
| Sign Writers' Black | Per lb. | .... |
| **Blue.** | | |
| Ultramarine Blue | Per lb. | $.... |
| Azure Blue | Per lb. | .... |
| Prussian Blue | Per lb. | .... |
| Chinese Blue | Per lb. | .... |
| **Green.** | | |
| French Permanent Green | Per lb. | $.... |
| Paris Green | Per lb. | .... |
| Bronze Green | Per lb. | .... |
| Chrome Green | Per lb. | .... |
| **Pink.** | | |
| Rose Pink | Per lb. | $.... |
| Wine Color | Per lb. | .... |
| **Red.** | | |
| Venetian Red | Per lb. | $.... |
| Tuscan Red | Per lb. | .... |
| Royal Red | Per lb. | .... |
| Western Red | Per lb. | .... |
| **Vermilion.** | | |
| American Vermilion | Per lb. | $.... |
| English Vermilion | Per lb. | .... |
| **Yellow.** | | |
| Yellow Ochre | Per lb. | $.... |
| Golden Ochre | Per lb. | .... |
| Spruce Ochre | Per lb. | .... |
| Chrome Yellow | Per lb. | .... |
| **Patent Dryer.** | | |
| Patent Dryer (paste form) | Per lb. | $.... |
| **Wood Filler.** | | |
| Wood Filler | Per lb. | $.... |
| **Flake White.** | | |
| Flake White | Per lb. | $.... |

## Graining Colors

| | | |
|---|---|---|
| Light Oak Graining | Per lb. | $.... |
| Dark Oak Graining | Per lb. | .... |
| Ash Graining | Per lb. | $.... |
| Walnut Graining | Per lb. | $.... |
| Chestnut Graining | Per lb. | .... |

## Coach Colors in Japan

| | | |
|---|---|---|
| Super. C.P. Drop Black | Per lb. | $.... |
| Super. Ivory Black | Per lb. | .... |
| Super. Jet Black | Per lb. | $.... |
| Super. Wine Color & D | Per lb. | .... |

## Manhattan Coach Colors

IN TINS.

| | No. 3 Half pint wine. | 2 1 pint wine. | 1 1 quart wine. |
|---|---|---|---|
| Black (Per tin) | $0.40 | .60 | 1.00 |
| Wine Color (Per tin) | $0.40 | .60 | 1.00 |
| Green, Vermilion, Yellow (Per tin) | 0.45 | .75 | 1.35 |

## Artists' Tube Colors

All colors carried in stock.

## White Lead

Assorted Tins, 1 to 10 lbs. ..... Per lb. $....

Strictly pure (guaranteed), No. 1, No. 2, in 25 and 100 lb. packages.
All leading Canadian brands at manufacturers' prices.

## Zinc White

V.M. Red Seal, in 25 lb. tins ..... Per 100 lbs. $....

## Shellac

Finest Orange Gum Shellac ..... Per lb. $0.55

## Putty

Best Putty in bladders ..... Per 100 lbs. $....

## Victoria Ready Mixed Colors

| | Half pints. | 1 pints. | Quarts. | Half gallons. |
|---|---|---|---|---|
| Red, Blue and Green (Per tin) | $0.18 | .33 | .47 1-2 | .95 |
| Other shades (Per tin) | 0.14 | .25 | .37 1-2 | .75 |

## Johnson's Pure Floor Paints

Pure Floor Paints, in quarts and half gallons ..... Per gallon $1.80

## VARNISHES

### In Bulk.

| | | |
|---|---|---|
| Furniture Varnish. Brilliant and quick drying | Per gallon | $.... |
| Carriage Varnish. A good varnish for general purposes | Per gallon | .... |
| Coach Varnish. Quick drying. Heavy bodied for general carriage work | Per gallon | .... |
| Flowing Varnish. For finishing fine cabinet work. Very durable. | Per gallon | .... |
| Hard Oil Finish. For producing a smooth hard finish on light and natural wood, etc. | Per gallon | .... |
| Elastic Oak Varnish. For all kinds of indoor and outdoor work | Per gallon | .... |
| Damar Varnish. Transparent and heavy bodied | Per gallon | .... |
| White Shellac. Spirit varnish. For knotting, also for finishing light colored work | Per gallon | .... |
| Orange Shellac | Per gallon | .... |
| Asphaltum or Walnut Stain | Per gallon | .... |
| Black Japan | Per gallon | .... |
| Brown Japan | Per gallon | .... |
| Gold Size Japan. A strong binder and dryer. Mixes readily with raw oil | Per gallon | .... |

### In 1 Gallon Tins.

| | | |
|---|---|---|
| Hard Oil Finish. | Per tin | $.... |
| Elastic Oak Varnish | Per tin | .... |
| Elastic Gearing Varnish. For finishing under-parts of carriages, wheels, etc. | Per tin | .... |
| Hard Rubbing Varnish. Very hard drying. Flows easily | Per tin | .... |
| Wearing Body Varnish. Pale, brilliant and very durable. For fine carriage and high class work | Per tin | .... |

## Oil Stains

### In Tins.

| | | 1-2 Pints. | | 1 Pints. | | 1 Quarts. |
|---|---|---|---|---|---|---|
| Rosewood, oil stain | Per dozen | $3.60 | .... | 5.50 | .... | 9.75 |
| Mahogany, oil stain | Per dozen | | | | | |
| Cherry, oil stain | Per dozen | | | | | |
| Walnut, oil stain | Per dozen | 3.00 | .... | 4.75 | .... | 8.50 |
| Antique Oak, oil stain | Per dozen | | | | | |
| Light Oak, oil stain | Per dozen | | | | | |

## Stove Pipe Varnish

| | | |
|---|---|---|
| In stone bottles, small | Per gross | $18.00 |
| In stone bottles, large | Per gross | 31.50 |

We also keep in glass bottles.

## Linseed Oil

| | | |
|---|---|---|
| Raw Linseed Oil | Per gallon | $.... |
| Boiled Linseed Oil | Per gallon | .... |

## Turpentine

| | | |
|---|---|---|
| Spirits of Turpentine (strictly pure) | Per gallon | $.... |

## Lubricating and Other Oils

| | | |
|---|---|---|
| Castor Oil, in tins | Per pound | $.... |
| Bolt Cutting Oil, in barrels | Per gallon | .... |
| Engine Oil, in barrels | Per gallon | .... |
| Lardine Machine Oil, in barrels | Per gallon | .... |
| Tanners' Oil, in barrels | Per gallon | .... |
| Neats Foot Oil, in barrels | Per gallon | .. |
| Harness Oil, in tins, | Per gallon | .... |

| Per dozen, $ | 1-2 pints | 1 pints | 1 quarts |
|---|---|---|---|

## Axle Grease

| | | |
|---|---|---|
| Imperial Axle Grease, in 2 lb. boxes | Per gross | $10.50 |
| Fraser's Axle Grease, in 2 lb. boxes | Per gross | 20.25 |
| Fraser's Axle Grease, in 15 lb. pails | Per pail | 1.75 |
| Fraser's Axle Grease, in 60 lb. kegs | Per pound | .9¾ |
| Shining Light Axle Grease, in 1 lb. tins | Per dozen | 1.50 |
| Shining Light Axle Grease, in 3 lb tins | Per dozen | 4.25 |
| Shining Light Axle Grease, in 15 lb. pails | Per pail | 1.45 |
| Castor Oil Axle Grease, in 3-4 lb. tins | Per dozen | 2.25 |

## WINDOW GLASS

### NUMBER OF LIGHTS IN A BOX

| Size | Panes in Box 50 | 100 | Size | Panes in Box 50 | 100 | Size | Panes in Box 50 | 100 | Size | Panes in Box 50 | 100 | Size | Panes in Box 50 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 x 9 | 115 | 229 | 15 x 28 | 17 | 34 | 20 x 32 | .. | 23 | 26 x 50 | .. | 11 | 34 x 36 | . | 12 |
| 8 x 10 | 90 | 180 | | 16 | 32 | | 34 | .. | 21 | | 54 | .. | 10 | | 38 | . | 11 |
| 8½ x 21 | 40 | 81 | | 15 | 30 | | 36 | .. | 20 | 28 x 28 | .. | 18 | | 40 | . | 11 |
| 9 x 12 | 67 | 133 | | 14 | 28 | | 38 | .. | 19 | | 30 | .. | 17 | | 44 | . | 10 |
| 9 x 14 | 57 | 114 | | 13 | 27 | | 40 | .. | 18 | | 32 | .. | 16 | | 46 | .. | 9 |
| 10 x 12 | 60 | 120 | 16 x 16 | 28 | 56 | | 42 | .. | 17 | | 34 | .. | 15 | | 48 | . | 9 |
| 14 | 52 | 103 | | 18 | 25 | 50 | | 44 | .. | 16 | | 36 | .. | 14 | | 50 | . | 8 |
| 16 | 45 | 90 | | 20 | 23 | 45 | | 46 | .. | 16 | | 38 | .. | 14 | | 56 | . | 8 |
| 18 | 40 | 80 | | 22 | 21 | 41 | | 48 | .. | 15 | | 40 | .. | 13 | | 60 | . | 7 |
| 20 | 36 | 72 | | 24 | 19 | 38 | | 50 | .. | 14 | | 42 | .. | 12 | 36 x 36 | .. | 11 |
| 22 | 33 | 65 | | 26 | .. | 35 | 22 x 26 | | .. | 25 | | 44 | .. | 12 | | 38 | .. | 11 |
| 24 | 30 | 60 | | 28 | 16 | 32 | | 28 | 12 | 28 | | 46 | .. | 11 | | 40 | .. | 10 |
| 26 | 27 | 55 | | 30 | 15 | 30 | | 30 | 11 | 22 | | 48 | .. | 11 | | 42 | . | 10 |
| 28 | 26 | 51 | | 32 | 14 | 28 | | 32 | 10 | 20 | | 52 | .. | 10 | | 44 | . | 9 |
| 12 x 14 | 43 | 86 | | 34 | 13 | 26 | | 34 | .. | 19 | 30 x 30 | .. | 16 | | 46 | . | 9 |
| 16 | 38 | 75 | | 36 | 13 | 25 | | 36 | .. | 18 | | 32 | .. | 15 | | 48 | .. | 8 |
| 18 | 34 | 67 | | 38 | .. | 24 | | 38 | .. | 17 | | 34 | .. | 14 | | 50 | . | 8 |
| 20 | 30 | 60 | | 40 | 11 | 23 | | 48 | .. | 14 | | 36 | .. | 13 | | 52 | .. | 8 |
| 22 | 27 | 55 | | 42 | 11 | 21 | 24 x 28 | | .. | 22 | | 38 | .. | 13 | | 54 | . | 7 |
| 24 | 25 | 50 | | 44 | .. | 20 | | 30 | .. | 20 | | 40 | .. | 12 | | 56 | . | 7 |
| 26 | 23 | 46 | | 46 | .. | 20 | | 32 | | 19 | | 44 | .. | 11 | | 58 | . | 7 |
| 28 | 22 | 43 | | 48 | .. | 19 | | 34 | .. | 18 | | 48 | .. | 10 | | 60 | . | 6 |
| 30 | 20 | 40 | 18 x 20 | 20 | 40 | | 36 | .. | 17 | | 50 | .. | 10 | 38 x 44 | | . | 9 |
| 32 | 19 | 38 | | 22 | 18 | 36 | | 38 | .. | 16 | | 52 | .. | 9 | 40 x 40 | | . | 8 |
| 34 | .. | 35 | | 24 | 17 | 33 | | 40 | .. | 15 | | 54 | .. | 9 | | 42 | . | 8 |
| 36 | .. | 33 | | 26 | 16 | 31 | | 42 | .. | 14 | | 56 | .. | 9 | | 44 | . | 8 |
| 42 | .. | 30 | | 28 | .. | 29 | | 44 | .. | 14 | | 60 | .. | 8 | | 46 | . | 8 |
| 48 | .. | 25 | | 30 | 14 | 27 | | 46 | .. | 13 | 32 x 32 | | .. | 14 | | 48 | . | 8 |
| 14 x 16 | 32 | 64 | | 32 | .. | 25 | | 48 | .. | 12 | | 34 | .. | 13 | | 50 | . | 7 |
| 18 | 29 | 57 | | 34 | 12 | 24 | | 50 | .. | 12 | | 36 | .. | 12 | | 54 | . | 7 |
| 20 | 26 | 51 | | 36 | 11 | 22 | | 54 | . | 11 | | 38 | .. | 12 | | 60 | .. | 6 |
| 22 | 24 | 47 | | 38 | .. | 21 | | 56 | .. | 11 | | 40 | . | 11 | | 64 | .. | 6 |
| 24 | 22 | 43 | | 40 | 10 | 20 | | 60 | .. | 10 | | 42 | .. | 11 | | 66 | .. | 5 |
| 26 | 20 | 40 | | 42 | .. | 19 | 26 x 28 | | .. | 20 | | 44 | .. | 10 | | 70 | . | 5 |
| 28 | 19 | 37 | | 44 | 9 | 18 | | 30 | .. | 18 | | 46 | .. | 10 | | 72 | . | 5 |
| 30 | 17 | 34 | | 46 | .. | 17 | | 32 | . | 17 | | 48 | .. | 9 | 42 x 48 | | .. | 5 |
| 32 | 16 | 32 | | 48 | .. | 16 | | 34 | .. | 16 | | 50 | .. | 9 | | 50 | . | 5 |
| 34 | 15 | 30 | 20 x 22 | | .. | 33 | | 36 | .. | 15 | | 52 | .. | 9 | 44 x 50 | | . | 6 |
| 36 | 14 | 29 | | 24 | 15 | 30 | | 38 | .. | 15 | | 54 | .. | 8 | | 60 | . | 5 |
| 40 | .. | 26 | | 26 | 14 | 28 | | 40 | .. | 14 | | 56 | .. | 8 | 48 x 48 | | .. | 6 |
| 15 x 24 | .. | 40 | | 28 | 13 | 26 | | 44 | .. | 13 | | 58 | .. | 8 | | 54 | .. | 6 |
| 26 | .. | 37 | | 30 | 12 | 24 | | 48 | .. | 12 | | 60 | .. | 8 | | 56 | .. | 5 |

| United Inches. | | | 4th Quality Single. 50 feet. | 4th Quality Single. 100 feet. | 3rd Quality Half Double. 100 feet. |
|---|---|---|---|---|---|
| 1st Break | to | 25 inches | $ | $ | $ |
| 2nd Break | 26 to | 40 inches | | | |
| 3rd Break | 41 to | 50 inches | | | |
| 4th Break | 51 to | 60 inches | | | |
| 5th Break | 61 to | 70 inches | | | |
| 6th Break | 71 to | 80 inches | | | |
| 7th Break | 81 to | 85 inches | | | |
| 8th Break | 86 to | 90 inches | | | |
| 9th Break | 91 to | 95 inches | | | |
| 10th Break | 96 to | 100 inches | | | |
| 11th Break | 101 to | 105 inches | | | |
| 12th Break | 106 to | 110 inches | | | |
| 13th Break | 111 to | 115 inches | | | |

Prices on application, either from stock or for importation.

4th quality in 50 and 100 feet boxes.

3rd quality in 100 feet boxes.

**Colored, Figured Enamelled, and Polished Plate Glass.**

# BRUSHES

NOTE.—All brushes marked "Net" are special and not subject to regular discount.

## Extra Wire-Bound Paint Brushes

Grey Centre. Warranted all Russian Bristles.

| 1—Stamped "EXTRA G." | Per doz. |
|---|---|
| No. 7 | $ 1.25 |
| No. 6 | 1.60 |
| No. 5 | 2.30 |
| No. 4 | 2.90 |
| No. 3 | 3.35 |
| No. 2 | 4.00 |
| No. 1 | 4.80 |
| No. 1/0 | 6.00 |
| No. 2/0 | 7.70 |
| No. 3/0 | 9.60 |
| No. 4/0 | 11.80 |
| No. 5/0 | 13.50 |
| No. 6/0 | 16.00 |
| No. 7/0 | 18.50 |
| No. 8/0 | 22.00 |

## Extra Oval Paint Brushes, Wire Bound

Grey Centre. Warranted all Russian Bristles.

| 3—Stamped "EXTRA G." | Per doz. |
|---|---|
| No. 7 | $ 1.40 |
| No. 6 | 1.70 |
| No. 5 | 2.40 |
| No. 4 | 3.20 |
| No. 3 | 3.80 |
| No. 2 | 4.30 |
| No. 1 | 5.10 |
| No. 1/0 | 6.40 |
| No. 2/0 | 7.80 |
| No. 3/0 | 10.00 |
| No. 4/0 | 11.90 |
| No. 5/0 | 13.80 |
| No. 6/0 | 16.50 |
| No. 7/0 | 18.80 |
| No. 8/0 | 21.60 |
| No. 9/0 | 26.00 |

## Super O.K. White Paint Brushes

Warranted all White Russian Bristles. A first-class Brush for Painters.

Round or Oval.

| 7—Stamped "EXT. O. K." | Per doz. |
|---|---|
| No. 4/0 | $ 17.50 |
| No. 5/0 | 21.00 |
| No. 6/0 | 25.00 |
| No. 7/0 | 29.00 |
| No. 8/0 | 32.70 |
| No. 9/0 | 37.00 |

## Oval Varnish Brushes—B

Warranted all White Russian Bristles. Wire Bound. Varnished Handles.

| 10—Stamped "B." | Per doz. |
|---|---|
| No. 7 | $ 2.10 |
| No. 6 | 2.80 |
| No. 5 | 3.50 |
| No. 4 | 4.65 |
| No. 3 | 5.70 |
| No. 2 | 6.60 |
| No. 1 | 7.80 |
| No. 1/0 | 8.90 |
| No. 2/0 | 10.00 |
| No. 3/0 | 11.80 |
| No. 4/0 | 13.40 |
| No. 5/0 | 15.80 |
| No. 6/0 | 17.60 |
| No. 7/0 | 21.00 |
| No. 8/0 | 26.30 |
| No. 9/0 | 32.00 |

## OVAL CHISELED VARNISH

PEARL

## Oval Chisel Varnish Brushes

Half Elastic Bristles. For carriage, piano and all fine work.

| 11—Stamped "PEARL." | Per doz. |
|---|---|
| No. 7 | $ 5.00 |
| No. 5 | 6.70 |
| No. 3 | 8.40 |
| No. 2 | 10.30 |
| No. 1 | 12.20 |
| No. 1/0 | 16.00 |
| No. 2/0 | 19.30 |
| No. 3/0 | 24.00 |
| No. 4/0 | 27.70 |
| No. 5/0 | 31.50 |
| No. 6/0 | 34.00 |
| No. 7/0 | 38.40 |

# BRUSHES

## OVAL CHISEL VARNISH BRUSHES

### Oval Chisel Varnish Brush

Brass Bound. Full Elastic Bristles. Solid throughout.

An extra superior Finishing Brush.

**11-B**—Stamped "EMPRESS"

| | Per doz. |
|---|---|
| No. 1 | $ 15.00 |
| No. 1/o | 18.80 |
| No. 2/o | 22.00 |
| No. 3/o | 27.50 |
| No. 4/o | 32.50 |
| No. 5/o | 36.00 |
| No. 6/o | 40.00 |
| No. 7/o | 43.00 |

### Glue Brushes

Copper Bound. Round or Oval.

**12**

| | Per doz. |
|---|---|
| No. 1 | $ 2.60 |
| No. 3 | 4.00 |
| No. 5 | 5.50 |
| No. 7 | 7.30 |
| No. 9 | 9.80 |

### Flat Glue Brushes

**13**

| | Per doz. |
|---|---|
| 1 inch | $ 2.60 |
| 1½ inch | 3.50 |
| 2 inch | 4.40 |
| 2½ inch | 5.70 |
| 3 inch | 6 60 |

### Stencil Brushes

Metal Bound.

**14**

| | Per doz. |
|---|---|
| No. 1 | $ 1.80 |
| No. 3 | 2.50 |
| No. 5 | 4.00 |
| No. 7 | 6.10 |
| No. 9 | 9.00 |
| No. 11 | 12.00 |
| No. 13 | 14.00 |
| No. 15 | 16.00 |

## SASH TOOLS

### Patent Wire-Bound Sash Tools

Extra.

**16**

| | Per doz. |
|---|---|
| No. 1 | $ 0.95 |
| No. 2 | 1.20 |
| No. 3 | 1.60 |
| No. 4 | 1.95 |
| No. 5 | 2.30 |
| No. 6 | 2.80 |
| No. 7 | 3.60 |
| No. 8 | 4.25 |
| No. 9 | 5.20 |
| No. 10 | 5.90 |

### Round or Flat Tin-Bound Sash Tools

**17**

| | Per doz |
|---|---|
| No. 1 | $ 0.90 |
| No. 2 | 1.10 |
| No. 3 | 1.35 |
| No. 4 | 1.60 |
| No. 5 | 1.95 |
| No. 6 | 2 60 |
| No. 7 | 3 30 |
| No. 8 | 3.90 |
| No. 9 | 4 80 |
| No. 10 | 5.50 |

State when ordering whether Round or Flat.

### Gloss Sash Tools

Chisel Pointed. Round or Flat.

Finest French Bristles. Brass Bound.

**18**—Stamped "SUPER."

| | Per doz. |
|---|---|
| No. 3 | $ 2.20 |
| No. 4 | 2.50 |
| No. 5 | 3.20 |
| No. 6 | 3.70 |
| No. 7 | 4.50 |
| No. 8 | 5.10 |
| No. 9 | 6.00 |
| No. 10 | 6 60 |

### Flat Varnish Brushes

**19**

| | Per doz |
|---|---|
| 1 inch | $ 1.80 |
| 1½ inch | 2.80 |
| 2 inch | 3.50 |
| 2½ inch | 4.50 |
| 3 inch | 5.50 |

## BRUSHES

### Flat Chisel Varnish Brushes

Polished Handles.

| 21—Stamped "X." | Per doz. |
|---|---|
| 1 inch | $3.75 |
| 1½ inch | 5.30 |
| 2 inch | 6.90 |
| 2½ inch | 9.30 |
| 3 inch | 12.00 |

### Flat Chisel Varnish—Extra Double Thick

Half Elastic Bristles. Polished Handles. Brass Bound.

| 22—Stamped "XX" | Per doz. |
|---|---|
| 1 inch | $ 4.80 |
| 1½ inch | 7.00 |
| 2 inch | 10.00 |
| 2½ inch | 13.00 |
| 3 inch | 16.50 |

### Flat Chisel Varnish—Extra Triple Thick

Brass Bound, Polished Handles.

Super Gloss, Full Elastic Finishing Brush.

| 22-A—Stamped "XXX." | Per doz. |
|---|---|
| 1½ inch | $10.00 |
| 2 inch | 13.30 |
| 2½ inch | 16.80 |
| 3 inch | 20.00 |
| 3½ inch | 25.00 |
| 4 inch | 30.00 |

### The China or Black Flat Chisel Varnish Brushes

Made of Best Black Chinese Bristles.

Single Thick. Tin Bound. Lacquered.

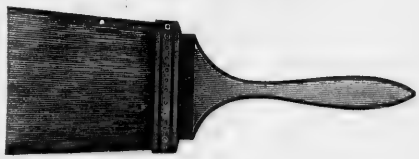
| 23—Stamped "X." | Per doz. |
|---|---|
| 1 inch | $ 2.80 |
| 1½ inch | 4.00 |
| 2 inch | 5.20 |
| 2½ inch | 7 00 |
| 3 inch | 9.40 |

### China Flat Chisel Varnish

Double Thick. Brass Bound.

| 23-A | Per doz. |
|---|---|
| 1 inch | $ 3.60 |
| 1½ inch | 5.40 |
| 2 inch | 7.40 |
| 2½ inch | 9 80 |
| 3 inch | 12.60 |

### Flat Paint or Wall Brush



### The Daisy

Narrow Lacquered Ferrules. Varnished Handles.

| 26-J—Stamped "DAISY." All White Hair. | Per doz. |
|---|---|
| 2½ inch | $ 4.60 |
| 3 inch | 5.50 |
| 3½ inch | 6.60 |

### The Crown

Lacquered Ferrules. Varnished Handles.

| 26-K—Stamped "Crown." All White Hair. | Per doz. |
|---|---|
| 2½ inch | $ 3.70 |
| 3 inch | 4.80 |
| 3½ inch | 6.00 |

### The Universal Flat Paint, Paste or Wall Brush

Leather Bound. Grey Centre. Warranted all Bristles.

2/O

| 26-A—Stamped "UNIVERSAL 2/O." | | | |
|---|---|---|---|
| 2½ inch. | 3 inch. | 3½ inch. | 4 inch. |
| $5.10 | 6.00 | 7.00 | 8.20 |

X.

| 26—Stamped "UNIVERSAL X." | | |
|---|---|---|
| 3 inch. | 3½ inch. | 4 inch. |
| $7.50 | 8.70 | 10.40 |

XX.

| 26-A—Stamped "UNIVERSAL XX." | | | |
|---|---|---|---|
| 3 inch. | 3½ inch. | 4 inch. | 5 inch. |
| $9.00 | 11.00 | 13.00 | 16.00 |

XXX.

| 26-B—Stamped "UNIVERSAL XXX." | | | |
|---|---|---|---|
| 3 inch. | 3½ inch. | 4 inch. | 5 inch. |
| $14.00 | 16.00 | 18.00 | 22.00 |

XXXX.

| 26-D—Stamped "UNIVERSAL XXXX." | | | |
|---|---|---|---|
| 3 inch. | 3½ inch. | 4 inch. | 5 inch. |
| $18.00 | 21.50 | 24.00 | 28.00 |

## BRUSHES

### Flat Paint or Wall Brushes—Extra

Leather and Brass Bound. Warranted all White Bristles.

2/O.

**25-E**—Stamped "PEARL 2/O."

| | Per doz. |
|---|---|
| 2½ inch | $ 6.40 |
| 3 inch | 7.50 |
| 3½ inch | 8.70 |
| 4 inch | 10.00 |

XX.

**25-A**—Stamped "PEARL XX."

| | Per doz. |
|---|---|
| 3 inch | $10.80 |
| 3½ inch | 13.50 |
| 4 inch | 15.40 |
| 5 inch | 19.00 |

XXXX.

**25-C**—Stamped "PEARL XXXX."

| | Per doz. |
|---|---|
| 3 inch | $21.00 |
| 3½ inch | 24.50 |
| 4 inch | 28.00 |
| 5 inch | 33.00 |

### Flat Paint or Wall Brush

Metal Bound.
Extra. Grey Centre. Warranted all Bristles.

3/O.

**28**—Stamped "PRIZE 3/O."

| | Per doz. |
|---|---|
| 2½ inch | $ 7.60 |
| 3 inch | 9.00 |
| 3½ inch | 10.00 |
| 4 inch | 11.60 |

X.

**28-A**—Stamped "PRIZE X."

| | Per doz. |
|---|---|
| 2½ inch | $ 9.60 |
| 3 inch | 12.60 |
| 3½ inch | 14.50 |
| 4 inch | 15.80 |
| 5 inch | 19.50 |

XX.

Extra Heavy.

**28-B**—Stamped "PRIZE XX."

| | Per doz. |
|---|---|
| 3 inch | $16.00 |
| 3½ inch | 18.60 |
| 4 inch | 21.00 |
| 5 inch | 24.60 |

### The Super Flat Paint or Wall Brush

Metal Bound. Extra Heavy. Warranted all White Bristles.

3/O.

**27**—Stamped "SUPER 3/O."

| | Per doz. |
|---|---|
| 2½ inch | $ 8.50 |
| 3 inch | 10.20 |
| 3½ inch | 11.50 |
| 4 inch | 12.70 |

XX.

**27-B**—Stamped "SUPER XX."

| | Per doz. |
|---|---|
| 3 inch | $18.00 |
| 3½ inch | 20.50 |
| 4 inch | 23.00 |
| 5 inch | 28.50 |

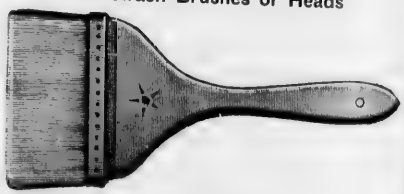
XXXX.

Very Long and Heavy.

**27-D**—Stamped "SUPER XXXX."

| | Per doz. |
|---|---|
| 3 inch | $30.00 |
| 3½ inch | 33.50 |
| 4 inch | 37.00 |
| 5 inch | 44.00 |

### Whitewash Brushes or Heads



No. 1 FIBRE.

**34**—Stamped "No. 1"

| | Per doz. |
|---|---|
| 5 inch | $ 2.20 |
| 6 inch | 2.40 |
| 7 inch | 2.80 |
| 8 inch | 3.40 |
| 9 inch | 4.00 |

No. 1/O STAR.

**34-A**—Stamped "1—STAR—O."

| | Per doz. |
|---|---|
| 5 inch | $ 2.50 |
| 6 inch | 3.15 |
| 7 inch | 3.75 |
| 8 inch | 4.30 |
| 9 inch | 5.00 |

No. 2/O STAR.

**35**—Stamped "2—STAR—O."

| | Per doz. |
|---|---|
| 6 inch | $ 3.70 |
| 7 inch | 4.50 |
| 8 inch | 6.00 |
| 9 inch | 7.30 |

State when ordering whether Brushes or Heads are required.

## BRUSHES

### Extra Extra Whitewash Heads or Brushes

All Russian Bristles.

For Plasterers and Whitewashers.

**No. 4/O.**

| | Grey Centre, Brass Bound, Stamped Extra. | All White Bristle, Brass Bound, Stamped Super. |
|---|---|---|
| | Per doz. | Per doz. |
| 6 inch | $11.00 | $14.00 |
| 7 inch | 14.00 | 17.00 |
| 8 inch | 17.50 | 21.00 |
| 9 inch | 22.00 | 26.00 |

**No. 6/O.**

| | Grey Centre, Brass Bound, Stamped Extra. | All White Bristle, Brass Bound, Stamped Super. |
|---|---|---|
| | Per doz. | Per doz. |
| 7 inch | $22.50 | $28.00 |
| 8 inch | 26.50 | 33.50 |
| 9 inch | 30.50 | 36.20 |

**No. 8/O.**

| | | |
|---|---|---|
| | Per doz. | Per doz. |
| 8 inch | $41.50 | $49.50 |
| 9 inch | 47.20 | 59.70 |

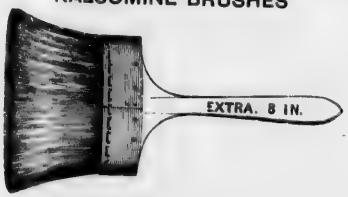
**No. 9/O.**

| | | |
|---|---|---|
| | Per doz. | Per doz. |
| 8 inch | $50.60 | $60.00 |
| 9 inch | 58.00 | 75.50 |

**No. 10/O.**

| | | |
|---|---|---|
| | Per doz. | Per doz. |
| 8 inch | $59.20 | $75.20 |
| 9 inch | 67.20 | 81.80 |

### KALSOMINE BRUSHES




#### C. Quality

**2/O SUN.**

**39-B**—Stamped "2/O SUN."

| | Per doz. |
|---|---|
| 5 inch | $6.00 |
| 6 inch | 7.00 |
| 7 inch | 8.00 |
| 8 inch | 9.00 |

### KALSOMINE BRUSHES

#### C. Quality

**No. 3/O.**

All White. Mixed Centre.

**29**—Stamped "3/O SUN."

| | Per doz. |
|---|---|
| 6 inch | $ 8.50 |
| 7 inch | 10.00 |
| 8 inch | 11.50 |

**5/O STAR.**

All White. Mixed Centre. Extra Long.

**29-A**—Stamped "5/O STAR."

| | Per doz. |
|---|---|
| 6 inch | $10.80 |
| 7 inch | 13.80 |
| 8 inch | 17.00 |

#### Extra Quality. All Hair.

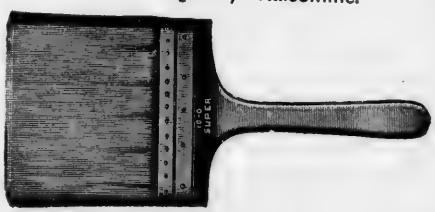
**EXTRA 4/O.**

All White Hair.

**30**—Stamped "EXTRA 4/O."

| | Per doz. |
|---|---|
| 6 inch | $17.50 |
| 7 inch | 20.50 |
| 8 inch | 23.50 |

#### Superior Quality—Kalsomine.




Warranted all White Bristles. Extra Russian Stock.

**SUPER 4/O.**

**31-A**—Stamped "4/O SUPER"

| | Per doz. |
|---|---|
| 6 inch | $21.00 |
| 7 inch | 25.00 |
| 8 inch | 29.70 |

**SUPER 5/O,**

Or 4/o—OK.

**31**—Stamped "5/O SUPER"

| | Per doz. |
|---|---|
| 6 inch | $25.00 |
| 7 inch | 31.00 |
| 8 inch | 36.50 |

**SUPER 6/O,**

Or 6/o—X.

**32-A**—Stamped "6/O SUPER."

| | Per doz. |
|---|---|
| 6 inch | $32.00 |
| 7 inch | 36.50 |
| 8 inch | 39.50 |

**SUPER 7/O,**

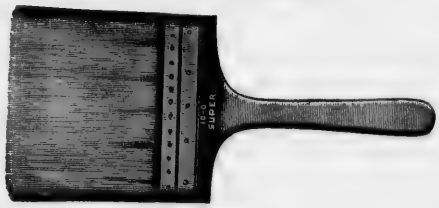
Or 6/o—OK.

**32**—Stamped "7/O SUPER."

| | Per doz. |
|---|---|
| 6 inch | $36.00 |
| 7 inch | 41.00 |
| 8 inch | 48.50 |

# BRUSHES

## Superior Quality—Kalsomine




SUPER 8/O,
Or 8/o—X.

**33-A**—Stamped "8/O SUPER."

| | Per doz. |
|---|---|
| 6 inch | $ 40.00 |
| 7 inch | 45.60 |
| 8 inch | 51.50 |

SUPER 9/O,
Or 8/o—OK.

**33-B**—Stamped "9/O SUPER."

| | Per doz. |
|---|---|
| 7 inch | $ 50.00 |
| 8 inch | 56.60 |

## Extra Super Gloss

10/O,
Or 10/o—X.
Extra Long Russian Bristles.

**33-C**—Stamped "10/O EXT. SUPER."

| | Per doz. Thick. | Extra Thick. |
|---|---|---|
| 7 inch | $54.80 | $68.50 |
| 8 inch | 62.00 | 77.50 |

11/O,
Or 11/o—OK.
Extra Long Russian Bristles—Heavy.

**33**—Stamped 11/O EXT. SUPER."

| | Per doz. Thick. | Extra Thick. |
|---|---|---|
| 7 inch | $63 00 | $79.00 |
| 8 inch | 72.00 | 90.00 |

12/O,
Or 12/o—X.
Extra Extra Long Russian Bristles—Extra Heavy.

**33-E**—Stamped "12/O EXT. SUPER."

| | Per doz. Thick. | Extra Thick. |
|---|---|---|
| 7 inch | $71.00 | $88.00 |
| 8 inch | 85.00 | 107.00 |

13/O,
Or 12/—OK.
Extra Extra Long Russian Bristles—Very Heavy.

**33-D**—Stamped "13 O EXT. SUPER."

| | Per doz. Thick. | Extra Thick. |
|---|---|---|
| 7 inch | $82.50 | $105.00 |
| 8 inch | 96.00 | 124.00 |

## Tar Brushes

**45**

| | Per doz. |
|---|---|
| No. 0, Mixed Hair | $ 5.00 |
| No. 1, Mixed Hair | 8.00 |
| No. 2, Mixed Hair | 12.00 |

Long Handles, $1.80 per dozen extra.

## Roofing Brushes

For Painting or Tarring Roofs, with Long or Short Handles.
All Grey.

**44**

| | Per doz. |
|---|---|
| 2 Knots, Mixed | $ 20.00 |
| 3 Knots, Mixed | 24.00 |
| 4 Knots, Mixed | 28.00 |
| 2 Knots, Extra | 24.00 |
| 3 Knots, Extra | 28.00 |
| 4 Knots, Extra | 32.00 |

State when ordering whether to be used as heads or with short handle same as paint brush.

## GRAINING TOOLS

### Fan or Top Grainer

All White Stiff Bristles.

**46**

| In Tin. | Per doz. |
|---|---|
| 2½ inch | $ 6.00 |
| 3 inch | 7.50 |
| 3½ inch | 9.00 |
| 4 inch | 10.50 |

### Walnut Grainers or Stipplers

Long Stiff Grey Russian Bristles.

**46-A**

| | Per doz. |
|---|---|
| 3 inch | $ 14.40 |
| 4 inch | 18.00 |
| 5 inch | 23.00 |

### Graining Combs

| | NET. |
|---|---|
| Best Quality Steel, in sets | Per set $1.65 |

# BRUSHES

## SHOE BRUSHES

### Oval Shoe Brushes

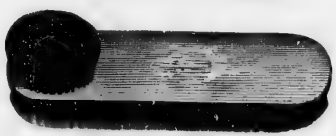
Handled.

| 96 | Per doz. |
|---|---|
| No. 3, Oval Pattern | $ 3.00 |
| No. 4, Oval Pattern | 3.50 |
| No. 5, Oval Pattern | 4.30 |
| No. 6, Oval Pattern, Roached Face | 6.00 |
| No. 7, Oval Pattern, Roached Face | 7.40 |
| No. 8, Oval Pattern, Roached Face | 9.00 |
| No. 30, Oblong Pattern | 2.90 |
| No. 40, Oblong Pattern | 3.50 |
| No. 50, Oblong Pattern | 4.00 |
| No. 60, Oblong Pattern | 5.40 |
| No. 70, Oblong Pattern | 7.80 |

### Oval T. K. Handled Shoe

| 96-A | Per doz. |
|---|---|
| No. 0 | $ 1.90 |
| No. 1 | 2.20 |
| No. 2 | 2.50 |

### Top Knot Shoe Brushes



| 97 | Per doz. |
|---|---|
| No. 0 | $ 1.30 |
| No. 1 | 1.50 |
| No. 2 | 1.70 |
| No. 3 | 2.00 |
| No. 4 | 2.50 |
| No. 5, Varnished | 3.50 |
| No. 6, Extra Varnished, all Bristle | 4.30 |
| No. 7, Extra Varnished, all Bristle | 5.30 |
| No. 8, Extra Varnished, Roached Face | 6.60 |
| No. 9, Extra Varnished, Roached Face | 8.00 |
| No. 1, Army, T. K., mixed | 2.80 |
| No. 2, Army, T. K., all Bristles | 3.30 |
| No. 3, Army, T. K., all Bristles | 3.80 |

### English Roached Shoe Brushes

Hard Brush for Mud—Soft for Blacking—Medium for Polishing, Hard, Soft or Medium.

| 98 | Per doz. |
|---|---|
| No. 5 | $ 5 60 |
| No. 6 | 6.80 |
| No. 7 | 8.40 |
| No. 8 | 10.00 |
| No. 10 | 11.50 |

Please state in ordering whether Hard, Soft or Medium.

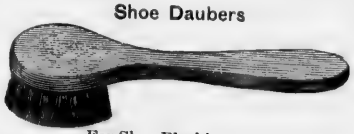
Cardboard cases for above, one set to each case, $1.00 per dozen, list extra.

## CASED SHOE OR TRAVELLING COMPANION

A Small Polishing Brush, Mud Brush, Dauber and Box of Blacking in a neat Case.

| 98-A | Cardboard Case. Per doz. | Leather Case. Per doz. |
|---|---|---|
| No. 1, Small, Mixed | $ 6.00 | |
| No. 2, Small, all Bristles | 7.00 | $ 18.00 |
| No. 3, Large, Extra Quality, all Bristles | 8.80 | 22.50 |

### Shoe Daubers



For Shoe Blacking, etc.

| 96-B | Per doz. |
|---|---|
| No. 0, Fibre | $1.30 |
| No. 1, Mixed Hair | 1.60 |
| No. 2, All Hair | 2.40 |
| No. 3, All Hair, Solid | 2.40 |
| No. 4, Double Mud Brush and Dauber | 4.30 |

### Round Oil Brushes

For putting on Stove Polish, etc.

| 100 | Per doz. |
|---|---|
| No. 0 | $1.20 |
| No. 1 | 1.60 |
| No. 2 | 2.20 |
| No. 3 | 2.65 |

### Plate Brushes

| 117 | Per doz. Plain | Bent. |
|---|---|---|
| 2 Row | $2.50 | $2.70 |
| 3 Row | 3.20 | 3.60 |
| 4 Row | 3 80 | 4.40 |
| 5 Row | 4.40 | 5.00 |
| 6 Row | 5.00 | 5.50 |

### Jewellers' Plate Brushes

**118**

An Extra Soft Plate Brush for finishing, Straight only—same price as above.

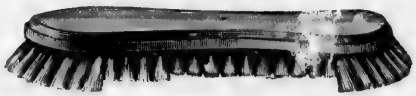
### Table or Crumb Brushes

Plain and Fancy Backs, Fine Stock.

| 124 | Plain. | NET. Gilt. |
|---|---|---|
| No. 0, Mixed White | | $ 4.00 |
| No. 1, All White Bristles | $ 4.70 | 5.40 |
| No. 2, All White Bristles | 6.50 | 7.50 |
| No. 3, All White Bristles | 8.00 | 9.50 |
| Crumb Brushes, Gilt, with Crumb Trays to match, per dozen | | 7.70 |
| Crumb Tray | | 3.00 |

# BRUSHES

## SCRUBBING BRUSHES



### Bristle Scrubbing Brushes

Grey Bristles.

Ext. Solid Back, Varnished.

**83**

| | Per doz. |
|---|---|
| 4-X, Mixed Bristles, Single Wing | $ 5.50 |
| 5-X, Mixed Bristles, Single Wing | 7.20 |
| 6-X, Mixed Bristles, Double Wing | 6.60 |
| 7-X, Mixed Bristles, Double Wing | 8.00 |
| 8-X, All Pure Bristles, Double Wing | 9.00 |

All White Bristles.

Ext. Solid Back, Varnished

**84**

| | Per doz. |
|---|---|
| 4-X, Mixed Bristles, Single Wing | $ 6.30 |
| 5-X, Mixed Bristles, Single Wing | 7.90 |
| 6-X, Mixed Bristles, Double Wing | 7.40 |
| 7-X, Mixed Bristles, Double Wing | 8.90 |
| 8-X, All Pure Bristles, Double Wing | 10.00 |

### White Fibre Scrubbing Brushes

Single Wing.

**85**

| | Per doz. |
|---|---|
| No. 0 | $ 1.70 |
| No. 1 | 1.90 |
| No. 2 | 2.40 |
| No. 3, Solid Back, Varnished | 2.80 |

### White Fibre Scrubbing Brushes

Double Wing.

**86**

| | Per doz. |
|---|---|
| No. 1 | $ 2.40 |
| No. 2 | 3.00 |
| No. 3, Small Solid Back, Varnished | 3.30 |
| No. 4, Extra Solid Back, Varnished | 4.20 |
| No. 8, Extra Cushion Back, Varnished | 4.00 |

### Bass Scrubs

**90**

| | Per doz. |
|---|---|
| No. 0, Single Wing | $ 2.00 |
| No. 1, Single Wing | 2.60 |
| No. 2, Single Wing, Solid Back, Varnished | 3.30 |
| No. 2-X, Double Wing, Plain Back | 3.30 |
| No. 3, Small Double Wing, Solid Back, Varnish'd | 3.50 |
| No. 3-X, Double Wing, Solid Back, Varnished | 4.20 |
| No. 4-P, Double Wing, Solid Back, Varnished | 4.70 |
| No. 8, Double Wing, Cushion Back, Varnished | 4.20 |

### Cocoa Scrubs

**91**

| | Per doz. |
|---|---|
| No. 2, Single Wing | $ 3.00 |
| No. 3, Single Wing, Solid Back, Varnished | 4.00 |
| No. 4, Double Winged, Varnished | 5.00 |

### French Whisk Scrubs

**92**

| | Per doz. |
|---|---|
| No. 0, Single Wing | $ 2.20 |
| No. 1, Single Wing | 2.60 |
| No. 2, Single Wing, Solid Back, Varnished | 3.30 |
| No. 2-X, Double Wing, Plain Back | 3.30 |
| No. 3, Small Double Wing, Solid Back, Varnish'd | 3.40 |
| No. 3-X, Double Wing, Solid Back, Varnished | 4.00 |
| No. 4-X, Double Wing, Solid Back, Varnished | 4.50 |
| No. 8, Double Wing, Cushion Back, Varnished | 3.80 |

## COMMON CORN SCRUBS

Made of Broom Corn Clippings.

**93**

| | Per doz. |
|---|---|
| No. 1 | $ 1.40 |
| No. 2 | 1.60 |
| No. 3 | 2.00 |
| No. 4, Broom Corn and Whisk Mixed | 2.50 |

### Deck Scrubs

**94**

| | Per doz. |
|---|---|
| No. 1, Bass or Fibre, Pointed End, no Wings | $ 4.20 |
| No. 2, Bass or Fibre, Square End, 2 Wings | 6.60 |
| No. 3, Grey Fibre, Square End, no Wings, Ext. Large | 8.40 |
| No. 4, Mixed Bristles, Square End, 2 Wings, Ext. Large | 12.00 |

Rubber Squeegee attached to above, $2.40; list extra

### Milk Can Scrubbers

**95**

| | Per doz. |
|---|---|
| No. 1, All White Fibre | $ 2.40 |
| No. 2, All Grey Fibre | 2.20 |
| No. 3, French Whisk | 2.00 |

### Stove Brushes—Straight

**99**

| | Per doz. |
|---|---|
| No. 1, Single Wing | $ 1.90 |
| No. 2, Single Wing | 2.50 |
| No. 3, Single Wing | 2.90 |
| No. 4, Double Wing | 3.40 |
| No. 5, Double Wing, Mixed Hair, Varnished Back | 5.30 |
| No. 6, Single Wing, all Bristle, Varnished Back | 6.80 |
| No. 8, Single Wing, all Bristle, Small, Varnished Back | 5.80 |
| No. 10, Single Wing, Mixed Hair | 4.25 |
| No. 18, Single Wing, Mixed Hair | 3.50 |
| No. 14, Double Wing, very Large and Heavy | 3.20 |
| No. 15 | 4.20 |
| No. 17, Single Wing, Mixed Hair | 4.20 |
| No. 1, Oval Stove, Roached Face | 4.00 |
| No. 2, Oval Stove, Roached Face | 4.80 |

### Stove Brushes—Bent

**99-A**

| | Per doz. |
|---|---|
| No. 12, No Wings, Mixed Stock, Varnished | $ 3.40 |
| No. 13, No Wings, Mixed Stock, Varnished | 4.40 |
| No. 22, Double Wings, Mixed Hair, Varnished | 4.20 |
| No. 20, No Wings, Mixed Hair | 4.20 |
| No. 28, No Wings, Mixed Hair, Varnished | 5.20 |
| No. 16, No Wings, all Bristles, Varnished | 6.30 |
| No. 25, No Wings, Mixed Bristles, Varnished | 6.30 |
| No. 29, Double Wings, all Bristles, Varnished | 6.40 |
| No. 27, Double Wings, all Bristles, Varnished | 6.00 |
| No. 7, Double Wings, all Bristles, Extra, Varnished | 8.50 |
| No. 2, Reg. Wings, all Bristles, Extra, Varnish'd | 6.00 |
| No. 3, Reg. Wings, all Bristles, Extra, Varnish'd | 8.00 |

# BRUSHES

## HAIR BROOMS

### Hair Brooms

64

| | Per doz. |
|---|---|
| 10½ inch | $12.00 |
| 11 inch | 14.50 |
| 11½ inch | 16.80 |
| 12 inch | 20.00 |
| 12½ inch | 25.50 |
| 13 inch | 30.00 |
| 14 inch, Extra Heavy | 36.00 |
| 15 inch, Extra Heavy | 40.00 |
| F.G., Extra Fancy Gilt | 36.00 |
| C., 11½ inch Carpet, short and stiff | 14.00 |
| C., 12½ inch Carpet, short and stiff | 22.00 |
| Handles for above, 4½ feet, Varnished | free |
| Handles for above, 6 feet, Varnished | .30 |

### Parlor Hair Brooms

Polished Cherry Head and Handle.
X Quality Mixed Centre. XX Quality all Bristles.
Short Hair all Black.

| | Per doz. X | XX |
|---|---|---|
| 11 inch | $18.00 | $24.00 |
| 12 inch | 22.00 | 28.00 |
| 13 inch | 26.00 | 32.00 |

## DUSTERS

### Dusters or Bannister Brushes

Varnished Handles, Mixed Grey, Black and White.

66

| | Per doz. |
|---|---|
| No. 0 | $ 4.00 |
| No. 1 | 4.25 |
| No. 2 | 5.30 |
| No. 3 | 6.40 |
| No. 4 | 8.10 |
| No. 5 | 9.50 |
| No. 6 | 11.00 |

Varnished and Stained Handles, Mixed White Bristles.

| | |
|---|---|
| No. 30 | $ 7.40 |
| No. 40 | 9.70 |
| No. 50 | 11.80 |

Varnished and Stained Handles, all White Bristles.

| | |
|---|---|
| No. 60 | $ 9.00 |
| No. 70 | 11.20 |
| No. 80 | 13.40 |

## FANCY DUSTERS

Gilt Handles.

67

| | Per doz. |
|---|---|
| No. 4 | $ 8.00 |
| No. 5 | 10.00 |
| No. 6 | 12.30 |
| No. 7, All White Hair | 14.50 |

### Patent Wire-Drawn Dusters

All Hair. Every knot wired.

67-B

| | Per doz. |
|---|---|
| No. 13, All Black Hair | $ 8.50 |
| No. 14, All Black Hair | 9.80 |
| No. 15, All Black Hair | 10.70 |
| No. 23, All White Hair | 10.00 |
| No. 24, All White Hair | 11.50 |
| No. 25, All White Hair | 13.00 |

### Double Dusters

68

| | Per doz. |
|---|---|
| No. 3, Varnished Handle | $ 9.60 |
| No. 4, Japanned Handle | 11.50 |
| No. 5, Japanned Handle | 13.40 |
| No. 6, Stained and Polished—All White | 15.30 |

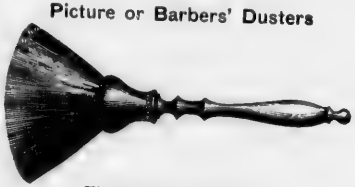
### French Whisk or Corn Duster

For Stair Carpet, etc.

66-A

| | Per doz. |
|---|---|
| No. 2, Medium | $ 6.00 |
| No. 3, Large | 8.00 |

### Picture or Barbers' Dusters



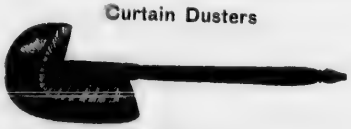
Finest French Bristles.

73

| | Per doz. |
|---|---|
| No. 1 | $ 7.50 |
| No. 2 | 9.50 |
| No. 3 | 12.00 |

Picture Dusters have Fancy Gilt Handles.
Barbers' Dusters have Short Polished Handles.

### Curtain Dusters



Handles 3½ feet long.

71

| | Per doz. |
|---|---|
| No. 1, All Bristles | $ 9.50 |
| No. 3, All White Bristles | 15.00 |

# BRUSHES

## Hearth Brooms

69

| | Per doz. |
|---|---|
| No. 1, Japanned | $ 6.50 |
| No. 2, Japanned | 8.20 |
| No. 3, Japanned and Gilt | 9.80 |
| No. 4, Japanned and Gilt, all Black Hair | 12.00 |
| No. 5, Japanned and Gilt, all White Hair | 15.00 |
| No. 6, Polished Cherry Handles, all White Hair | 14.50 |
| No. 7, Polished Cherry Handles, Mixed Hair | 10.50 |

## Furniture or Plush Dusters

Fancy Gilt Handles.

74

| | Per doz. |
|---|---|
| No. 1, Plush Dusters, Mixed | $ 7.50 |
| No. 2, Plush Dusters, Bristle | 10.00 |

## Turk Heads

For Dusting Cornices, Ceilings and Walls.

70

| | Per doz. |
|---|---|
| 10 inch | $ 18.00 |
| 11 inch | 21.00 |
| No. 3 | 16.00 |

12 feet Handles for above, extra, $1.20 per doz. net.
6 feet Handles for above, extra, 60 per doz. net.

## Window Brushes

Drawn and Set.

72

| | Per doz. |
|---|---|
| No. 0, Set, Mixed Fibre | $ 4.50 |
| No. 1, Set, Mixed Hair | 6.50 |
| No. 2, Set, Mixed Hair | 10.50 |
| No. 0, Drawn, Mixed Fibre | 4.50 |
| No. 4, Drawn, Mixed Hair | 7.00 |
| No. 5, Drawn, Mixed Hair | 11.40 |

| | 6 ft. | 8 ft. | 10 ft. | 12 ft. |
|---|---|---|---|---|
| Handles for above, | $0.60 | .80 | 1.00 | 1.20 |

## Rubber Window Wipers

72-A

| | Per doz. |
|---|---|
| No. 1 | $ 3.60 |
| No. 2 | 4.80 |
| No. 3 Combination Brush and Wiper | 9.00 |

## Lamp Chimney Cleaners

75

| | Per doz. |
|---|---|
| No. 1, Small, all Grey, Mixed | $ 1.20 |
| No. 2, Medium, all Grey, Mixed | 2.00 |
| No. 3, Large, all Grey Bristles | 3.00 |

## Bottle Brushes

Long Wire Handle.

76

| | Per doz. |
|---|---|
| For Pints, Grey Stiff Bristles | $ 4.00 |
| For Quarts, Grey Stiff Bristles | 5.00 |
| For Vials, 1 to 4 oz., White Bristles | 1.50 |
| For Vials, 4 to 16 oz., White Bristles | 2.00 |

## BROOMS FOR STABLES, YARDS, BREWERIES, ETC.

## Bass Brooms

Set in Cement. For Yards and Stables.

77

| | Per doz. |
|---|---|
| No. 2 | $ 7.80 |
| No. 3 | 9.40 |
| No. 4 | 11.00 |
| No. 5 | 14.50 |
| No. 6, extra | 17.00 |

## "Patent" Bass Brooms

A Strong and Stiff Material. Good Substitute for Bass.

77-A

| | Per doz. |
|---|---|
| No. 2 | $ 6.50 |
| No. 3 | 8.00 |
| No. 4 | 9.50 |
| No. 5 | 11.40 |
| No. 6 | 14.00 |

## Brewers' Bass Brooms

Fastened with Copper Wire. For use on Wet Floors.

78

| | Per doz. |
|---|---|
| No. 2 | $ 7.50 |
| No. 3 | 9.50 |
| No. 4 | 12.00 |
| No. 5 | 15.00 |

## Rattan or Cane Brooms

Set with Best Rattan. For Gravel Paths, Crossings, etc.

78-B

| | Per doz. |
|---|---|
| No. 3 | $ 5.00 |
| No. 4 | 10.00 |
| No. 5 | 12.00 |
| No. 6 | 14.00 |

Split Cane Stable Brooms at same price as Rattan Brooms

# BRUSHES

## HORSE BRUSHES

### Horse Brushes

104

| | | Per doz. |
|---|---|---|
| No. 1, | Flat Faced | $ 3.60 |
| No. 2, | Flat Faced | 4.20 |
| No. 3, | Flat Faced | 4.80 |
| No. 4, | Round Faced | 5.50 |
| No. 5, | Round Faced | 6.30 |
| No. 6, | Round Faced | 7.60 |
| No. 7, | Round Faced | 9.40 |
| No. 8, | Round Faced, Polished Backs | 11.00 |
| No. 9, | Round Faced, Polished Backs | 13.40 |
| No. 10, | Round Faced, Polished Backs | 15.80 |
| No. 11, | Round Faced, Polished Backs | 19.50 |
| No. 12, | Round Faced, all Bristle, Polished Backs | 26.00 |
| No. 13, | Round Faced, all Bristle, Polished Backs | 29.00 |
| No. 14, | Round Faced, all Yellow Bristle, Polished Backs | 34.00 |
| No. 15, | Round Faced, all White Bristle, Polished Backs | 43.00 |
| No. 16, | Round Faced, all White Bristle, Polished Backs | 35.00 |
| No. 17, | Round Faced, all White Bristle, Polished Backs | 20.00 |
| No. 18, | Round Faced, all Black Bristle, Polished Backs | 26.00 |
| No. 19, | Round Faced, all Yellow Bristle, Polished Backs | 30.00 |
| No. 30, | Pony Horse, Mixed | 6.35 |

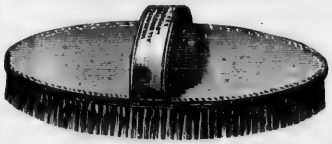
### Whisk Horse Brushes

| | | |
|---|---|---|
| No. 0, | Daisy | $ 4.40 |
| No. 1, | Flat Faced | 5.30 |
| No. 3, | Round Faced | 7.00 |

### Kittool Horse Brushes

| | | |
|---|---|---|
| No. 0, | Daisy | $ 5.00 |
| No. 1, | Flat Faced | 6.60 |
| No. 3, | Round Faced | 8.50 |

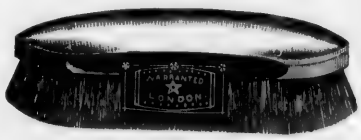
### Leather Back Horse Brushes



106

| | | Per doz. |
|---|---|---|
| No. 4, | Grey and White Mixed | $ 5.30 |
| No. 5, | Grey and White Mixed | 7.00 |
| No. 7, | Yellow and White Mixed | 8.40 |
| No. 8, | Grey and White Mixed | 10.00 |
| No. 10, | Grey and White Mixed | 12.00 |
| No. 11, | Black and White Mixed | 12.00 |
| No. 12, | Black and White Mixed | 14.80 |
| No. 20, | Yellow Mixed Bristles | 17.00 |
| No. 21, | Yellow Mixed Bristles | 15.00 |
| No. 13, | Grey and White, all Bristles | 27.70 |
| No. 16, | Grey and White, all Bristles | 23.40 |
| No. 23, | Black and White, all Bristles | 23.40 |
| No. 200, | Black and White, all Bristles | 26.00 |
| No. 15, | Yellow and White, all Bristles | 45.00 |
| No. 300, | Yellow and White, all Bristles | 35.00 |
| No. 100, | White, all Bristles | 16.00 |
| No. 17, | White, all Bristles | 20.00 |
| No. 18, | White, all Bristles | 24.00 |
| No. 28, | White, all Bristles | 32.00 |
| No. 36, | White, all Bristles | 40.00 |
| No. 48, | White, all Bristles | 50.00 |

## DANDY BRUSHES




### All French Whisk.

109

| | | Per doz. |
|---|---|---|
| No. 1, | Flat Faced | $2.80 |
| No. 1x, | Flat Faced | 3.10 |
| No. 2, | Flat Faced | 3.60 |
| No. 2x, | Roached Faced | 4.20 |
| No. 3, | Roached Faced | 5.30 |
| No. 25, | Roached Faced | 6.40 |
| No. 4, | Roached Faced | 7.30 |
| No. 5, | Roached Faced, Extra, Large Size | 8.00 |
| No. 60, | Roached Faced, Extra, Large Size | 9.00 |
| No. 70, | Roached Faced, Extra, Small Size | 7.50 |
| No. 75, | Roached Faced, Extra, Medium Size | 9.00 |
| No. 80, | Roached Faced, Extra, Extra Large Size | 10.00 |
| No. 0, | Square, Handled | 3.00 |

### French Whisk, Kittool Edge.

| | | |
|---|---|---|
| No. 22, | Roached Faced | 4.70 |
| No. 33, | Roached Faced | 6.40 |
| No. 44, | Roached Faced | 7.80 |
| No. 55, | Roached Faced | 9.50 |

### All Oiled Kittool.

| | | |
|---|---|---|
| No. 67, | Roached Face | 5.20 |
| No. 65, | Roached Face | 7.00 |
| No. 64, | Roached Face | 8.40 |
| No. 63, | Roached Face, Extra | 10.00 |
| No. 62, | Roached Face, Extra | 11.50 |
| No. 66, | Square, Handled | 4.20 |

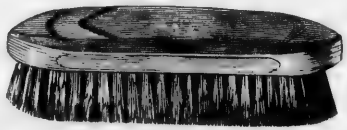
## Compo Brushes

For Blacking Harness, etc.

110

| | | Per doz. |
|---|---|---|
| No. 2, | Mixed Bristles | $6.00 |
| No. 3, | All Bristles | 8.00 |
| No. 4, | All Extra Bristles, Small | 7.00 |

## Water Brushes, Hair



105

| | | Per doz. |
|---|---|---|
| No. 1, | Mixed Bristles, all Yellow | $ 8.00 |
| No. 2, | Mixed Bristles, all Yellow | 12.00 |
| No. 3, | All Bristles, all Yellow | 17.00 |
| No. 4, | All Bristles, all White | 22.50 |

## Spoke Brushes

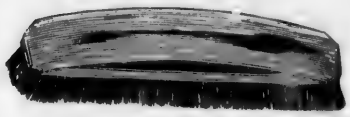
For Cleaning Buggy Wheels, etc.

108

| | | Per doz. |
|---|---|---|
| No. 1, | All Grey, Mixed | $12.00 |
| No. 2, | All Grey, Bristle | 16.00 |
| No. 3, | Handled Single, Bristle | 15.00 |
| No. 4, | Handled Double, Bristle | 20.00 |

# BRUSHES

## Clothes Brushes



**113**

| | NET. Per doz. |
|---|---|
| No. 1, Fibre Centre, Bristle outside, Black & White | $2.20 |
| No. 2, Fibre Centre, Bristle outside, Black & White | 2.60 |
| No. 3, Fibre Centre, Bristle outside, Black & White | 2.85 |
| No. 4, Mixed Centre, Bristle outside, all White | 4.00 |
| No. 5, Mixed Centre, Bristle outside, Black & White | 4.00 |
| No. 7, Mixed Centre, Bristle outside, Black & White | 5.00 |
| No. 8, Mixed Centre, Bristle outside, Black & White | 6.00 |
| No. 0, Fibre Centre, Bristle outside, Black & White | 2.90 |
| No. 00, Fibre Centre, Bristle outside, Black & White | 3.30 |
| No. 000, Fibre Centre, Bristle outside, Black & White | 3.70 |
| No. 13, Mixed Centre, Bristle outside, all Black | 4.00 |
| No. 14, Mixed Centre, Bristle outside, White & Black | 4.75 |
| No. 20, All Bristle, Small, White and Black | 4.00 |
| No. 17, All Bristle, Medium, White and Black | 4.80 |
| No. 6, All Bristle, Medium, White and Black | 5.40 |
| No. 55, Mixed Bristle, Small, all Black | 5.80 |
| No. 15, Mixed Bristle, Medium, all Black | 6.60 |
| No. 9, All Bristle, Large, all Black | 9.00 |
| No. 10, All Bristle, Large, White and Black | 11.50 |
| No. 11, All Bristle, Large, all White | 13.60 |
| No. 16, All Bristle, Stiff, Large, Black and White | 15.00 |
| No. 18, All Bristle, Stiff, Large, Yellow and White | 16.50 |
| No. 28, All Bristle, Stiff, Large, Yellow and White | 20.00 |
| No. 21, All Bristle, Soft, all White | 4.75 |
| No. 22, All Bristle, Long Stock, all White | 9.00 |
| No. 23, All Bristle, Long Stock, all White | 9.00 |
| No. 51, Mixed Bristle, Bent Back, Black & White | 6.00 |
| No. 50, All Bristle, Bent Back, Black and White | 7.50 |

| | Per doz. | Per gross. |
|---|---|---|
| No. 522, All Fibre, White | $1.25 | $13.80 |
| No. 220, All Fibre, White and Black | 1.40 | 15.80 |
| No. 222, All Fibre, White and Black | 1.55 | 17.80 |
| No. 282, Mixed Fibre, Grey | 1.90 | 22.00 |
| No. 207, Mixed Fibre, White | 2.75 | 30.00 |
| No. 208, Mixed Fibre, White | 3.30 | 36.00 |
| No. 290, All Hair, Grey and White | 1.80 | 20.00 |

## Handled Clothes Brushes

**112**

| | NET. Per doz. |
|---|---|
| No. 6, French Whisk, Small | $ 4.40 |
| No. 8, French Whisk, Medium | 5.60 |
| No. 10, All Black, Mixed Bristle, Small | 9.00 |
| No. 12, All Black, Mixed Bristle, Medium | 11.00 |
| No. 13, All Black, Mixed Bristle, Large | 13.60 |

Double Splash 35 per cent. added to above price.

## Hat Brushes

Polished Backs, Fine Soft Hair.

**114**

| | NET. Per doz. |
|---|---|
| No. 0, Oval Shaped, Small | $ 4.00 |
| No. 1, Oval Straight and Plain | 5.00 |
| No. 2, S Shape as above cut | 6.00 |
| No. 3, Straight and Fancy Drawn | 7.20 |
| No. 4, Hat Rim Brushes, all Black | 2.10 |
| No. 5, Hat Rim Brushes, all White | 3.00 |

## Bath Brushes, Handled

**117**

| | NET. Per doz. Straight Handle | Per doz. Bent Handle |
|---|---|---|
| No. 0, White Fibre | $ 4.80 | |
| No. x, Cocoa Fibre | 5.50 | |
| No. 1, All Bristles | 6.60 | |
| No. 2, All Bristles | 8.50 | $ 9.70 |
| No. 3, All Bristles, Extra | 12.00 | 13.20 |
| No. 4, All Bristles, Superfine | 14.00 | 15.20 |
| No. 5, Oval Brush, Web Handle | 16.00 | |

# MISCELLANEOUS

## Brushes, Mops, Sink Cleaners, etc.

**76-A**

| | Per doz |
|---|---|
| Tumbler Brushes, for cleaning Glasses and Jugs | $7.20 |
| Cup Mops or Lavetts, for washing Cups, Jugs, etc.; made of Cotton | 1.40 |
| Heather Pot Scrubs or Sink Cleaners | 1.80 |
| Bass Pot Scrubs or Sink Cleaners | 2.40 |
| Bass Pot Scrubs or Sink Cleaners, Extra Large | 4.00 |
| Water Closet Brushes, for cleaning W.C. Pans, etc., ordinary | 12.00 |
| Water Closet Brushes, for cleaning W.C. Pans, etc., extra | 18.00 |
| Cotton Mops (English), Heads | 6.00 |
| White Wool Mops (English), Heads | 9.00 |
| Handles put to above | 2.00 |
| Rubber Squeegees, for cleaning Floors, 12 in. | 8.00 |
| Rubber Squeegees, for cleaning Floors, 14 in. | 11.00 |
| Rubber Squeegees, for cleaning Floors, 16 in. | 14.00 |
| Radiator Brushes for dusting between bars of Radiators | 6.00 |

## Furnace Brushes

For cleaning Flues of Hot Water Furnaces, etc.

**75-A**

| | Per doz |
|---|---|
| No. 1, Kittool Brush, Short Wire Handle | $ 6.00 |
| No. 2, Kittool Brush, Long Wire Handle | 7.20 |
| No. 3, Kittool Brush, Flat Wood Handle | 6.00 |
| No. 4, Steel Wire Brush, Flat Wood Handle | 7.30 |

## FEATHER DUSTERS

Ostrich Feather Dusters

**126**

| | Per doz. |
|---|---|
| No. 12 | $ 8.40 |
| No. 13 | 9.60 |
| No. 14 | 10.80 |
| No. 15 | 12.00 |
| No. 16 | 14.40 |
| No. 17 | 15.50 |
| No. 18 | 17.20 |

# BRUSHES

## PAPER HANGERS' SMOOTHING BRUSHES

Wire Drawn. Extra Russian Bristles.

| 47 | 2 Rows. Per doz. | 3 Rows. Per doz. | 4 Rows. Per doz. |
|---|---|---|---|
| 10 inch | $11.60 | $14.00 | $18.00 |
| 12 inch | 13.60 | 18.00 | 23.00 |
| 14 inch | 15.80 | 22.00 | 27.50 |

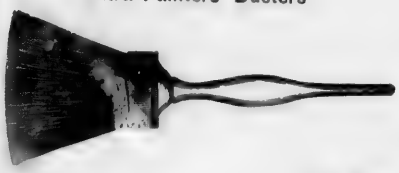
### Wall Stipplers

Extra Fine Russian Bristles.

| 48 | All White. Per doz. | All Grey Per doz. |
|---|---|---|
| 3 x 8 inch, Plain | $32.80 | $28.00 |
| 4 x 8 inch | 37.00 | 32.00 |
| 5 x 6 inch, Handled | 42.00 | 36.00 |

Extra sizes and qualities made to order.

### Extra Painters' Dusters



| 62 | Set. Per doz. | Drawn. Per doz. |
|---|---|---|
| No. 2, Mixed Centre | $ 6.50 | $7.50 |
| No. 3, Mixed Centre | 8.00 | 9.00 |
| No. 4, Mixed Centre | 10.50 | 12.00 |
| No. 5, Mixed Centre | 12.50 | 14.50 |
| No. 8, Mixed Centre, very long | 17.50 | 19.50 |
| No. 6, All Bristles | 60 | 17.50 |
| No. 7, All Bristles | 18.40 | 21.50 |

### Seam or Caulking Brushes

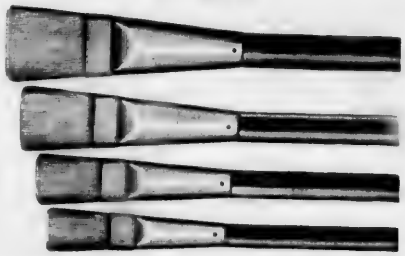
Drawn with Copper Wire.

| 63 | Per doz. |
|---|---|
| No. 1 x 4 inch, Mixed Stock | $1.70 |
| No. 2 x 5 inch, Mixed Stock | 2.00 |
| No. 3 x 4 inch, all Bristles | 2.50 |
| No. 4 x 5 inch, all Bristles | 3.30 |

### Brick Liners or Headers

| 63-A | Per doz. |
|---|---|
| 2½ inch | $1.50 |
| 3 inch | 1.60 |
| 3½ inch | 1.70 |
| 4 inch | 1.80 |

## ARTIST FITCHES, FRESCO AND MARKING BRUSHES



### Marking Brushes or Ordinary Artists' Fitches

Red Polished or Cedar Handles. Round or Flat.

| 49 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | $0.50 | .60 | .70 | .80 | .90 | 1.00 |

Assorted ..... Per dozen $0.80
Assorted ..... Per gross 7.00

### Extra Artists' Fitches

Fine French Bristles. Red Polished Handles.

Round or Flat.

| 49-A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | $0.60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 | 1.00 | 1.05 |
| | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 | 22 | 24 |
| | $1.10 | 1.20 | 1.30 | 1.40 | 1.60 | 1.90 | 2.30 | 2.80 | 3.30 | 3.80 |

Assorted, 1 to 6, 75c.; 7 to 12, $1.05; 13 to 24, $2.40.

### Extra Extra Artists' Fitches

Fine French Bristles. Polished Cedar Handles.

Nickled Ferrules. Round or Flat.

| 49-C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | $0.70 | .80 | .90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 |
| | $1.80 | 1.90 | 2.00 | 2.10 | 2.50 | 2.90 | 3.20 | 3.65 | 4.20 | 5.00 | 5.90 |

Assorted, 1 to 6, 95c.; 7 to 12, $1.55; 1 to 12, $1.25; 13 to 24, $3.35.

## CAMEL HAIR BRUSHES

### Camel Hair English Varnish or Copying Brushes

Cedar Handles.

| 52 | NET. Per doz. |
|---|---|
| 2½ inch | $4.80 |
| 3 inch | 5.80 |
| 3½ inch | 6.80 |
| 4 inch | 7.80 |

# BRUSHES

## CAMEL HAIR BRUSHES

### Camel Hair French Varnish Brushes

Extra Long Hair, Tin Bound, Cedar Handles.

| 53 | | NET. Per doz. |
|---|---|---|
| 1 | inch | $ 2 90 |
| 1½ | inch | 4 40 |
| 2 | inch | 7.20 |
| 2½ | inch | 10.00 |

### Camel Hair Flowing Varnish Brushes

Chisel Pointed.

Polished Handles, Tin Bound, Extra Thick.

| 53-A | | Per doz. |
|---|---|---|
| 1 | inch | $ 4.80 |
| 1½ | inch | 7.05 |
| 2 | inch | 9.30 |
| 2½ | inch | 12.85 |
| 3 | inch | 16.00 |

### Camel Hair Mottlers

Extra Thick, Tin, Bound, Cedar Handles.

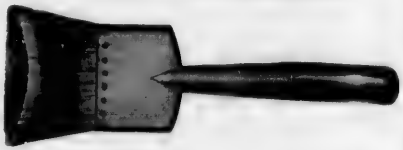
| 50 | | NET. Per doz. |
|---|---|---|
| ½ | inch | $ 2.00 |
| 1 | inch | 2.40 |
| 1½ | inch | 3.70 |
| 2 | inch | 5.20 |
| 2½ | inch | 8.20 |
| 3 | inch | 10.25 |

### C. H. Double Thick Mottlers or Color Brushes

Extra Double Thick Tin Bound, Cedar Handles.

| 51 | | Per doz. |
|---|---|---|
| 1 | inch | $ 3 00 |
| 1½ | inch | 4 80 |
| 2 | inch | 8 00 |
| 2½ | inch | 11 00 |
| 3 | inch | 14 40 |

## BADGER HAIR BRUSHES



### Badger Hair Flowing Varnish Brushes, Chiselled.

EXTRA.

| 54 | | NET. Per doz |
|---|---|---|
| 1 | inch | $ 3 80 |
| 1½ | inch | 5.40 |
| 2 | inch | 7.20 |
| 2½ | inch | 9.00 |
| 3 | inch | 10.80 |

### Badger Hair Flowing Varnish Brushes, Chiselled.

EXTRA DOUBLE THICK.

| 55 | | Per doz |
|---|---|---|
| 1 | inch | $ 5.40 |
| 1½ | inch | 8.10 |
| 2 | inch | 10.80 |
| 2½ | inch | 12.00 |
| 3 | inch | 16.20 |

## FITCH OR BEAR HAIR BRUSHES

### Fitch or Bear Flowing Varnish Brushes, Chiselled.

EXTRA.

| 56 | | NET. Per doz. |
|---|---|---|
| 1 | inch | $ 2.70 |
| 1½ | inch | 4.05 |
| 2 | inch | 5.40 |
| 2½ | inch | 6.75 |
| 3 | inch | 8.10 |

### Fitch or Bear Flowing Varnish Brushes, Chiselled.

EXTRA DOUBLE THICK.

| 57 | | Per doz. |
|---|---|---|
| 1 | inch | $ 3.70 |
| 1½ | inch | 5.55 |
| 2 | inch | 7.40 |
| 2½ | inch | 9.25 |
| 3 | inch | 11.10 |

# BRUSHES

## PENCILS, WRITERS AND STRIPERS

### Black Sable Miniature Pencils

In Quills. Ext. Superfine.

60-M

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | NET. |
|---|---|---|---|---|---|---|---|---|---|
| Per doz. | $0.90 | 1.25 | 1.60 | 2.00 | 2.55 | 3.45 | 4.00 | 4.80 | |

Assorted, 1 to 8, per doz., $2.65.

### Black Sable Writers

Ordinary.

60

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | NET. |
|---|---|---|---|---|---|---|---|---|---|
| Per doz. | $0.40 | .55 | .65 | .75 | .90 | 1.05 | 1.35 | 1.55 | |

Assorted, 1 to 8, per doz., $1.00.

Extra Superfine.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Per doz. | $0.70 | .95 | 1.25 | 1.80 | 2.40 | 3.00 | 4.00 | 4.70 |

| 10 | 12 |
|---|---|
| $7.50 | 10.90 |

Assorted, 1 to 8, per doz., $2.10.

### Black Sable Stripers

Ordinary.

60-A

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | NET. |
|---|---|---|---|---|---|---|---|---|---|
| Per doz. | $0.45 | .60 | .70 | .80 | 1.00 | 1.20 | 1.50 | 1.90 | |

Assorted, 1 to 8, per doz., $1.15.

Extra Superfine.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Per doz. | $0.80 | 1.10 | 1.40 | 1.95 | 2 80 | 3.80 | 4.60 | 5.60 |

| 10 | 12 |
|---|---|
| $8.60 | 12.00 |

Assorted, 1 to 8, per doz., $2.50.

## RED SABLE BRUSHES

### Red Sable Brushes, for Oil Painting

Ordinary Quality Nickel Ferrules. Long Red Polished Handles.

61

Round or Flat. NET.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per doz. | $0.40 | .45 | .50 | .55 | .60 | .70 |
| Nos | 7 | 8 | 9 | 10 | 11 | 12 |
| Per doz. | $0.80 | .95 | 1.15 | 1.50 | 1.80 | 2.10 |

Assorted, 1 to 6, 60c.; 4 to 8, 75c.; 1 to 12, $1.00 per doz.

Extra Large Size.

| Nos | 14 | 16 | 18 | 20 |
|---|---|---|---|---|
| Per doz. | $3.00 | 4.00 | 5.00 | 6.00 |

### SUPER RED SABLE BRUSHES, FOR OIL PAINTING

Superior Quality Nickel Ferrules. Long Polished Handles.

Specially Selected Superfine Hair.

61-X

Round or Flat. NET.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per doz. | $0.65 | .70 | .80 | .85 | .95 | 1.10 |
| Nos | 7 | 8 | 9 | 10 | 11 | 12 |
| Per doz. | $1.25 | 1.45 | 1.80 | 2.35 | 2.80 | 3.30 |

Assorted, 1 to 6, 85c.; 4 to 8, $1.15; 1 to 12, $1.50 per doz.

### Red Sable Brushes, for Water Colors

Extra Quality Nickel Ferrule. Short Polished Handles.

Large English Sizes.

61-A

Round or Flat.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per doz. | $0.65 | .78 | .90 | 1.15 | 1.40 | 1.70 |
| Nos | 7 | 8 | 9 | 10 | 11 | 12 |
| Per doz. | $2.25 | 2.65 | 3.25 | 4.00 | 4.75 | 5.75 |

Assorted, 1 to 6, $1.10; assorted, 6 to 12, $3.80.

## CAMEL HAIR BRUSHES

### Camel Hair Wash Brushes, for Water Colors

Nickeled Ferrules. Polished Handles.

61-C

| | 1 | 2 | 3 | 4 | Ass'd 1 to 4. | NET. |
|---|---|---|---|---|---|---|
| Round | $1.80 | 2.00 | 2.90 | 3.60 | 2.60 | Per doz. |
| Flat | 1.95 | 2.55 | 3.50 | 4.80 | 3 20 | Per doz. |

### Camel Hair Artists' Brushes

Nickeled Ferrules. Polished Handles.

61-H

Superfine Quality. NET.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per doz. | $0 35 | .40 | .45 | .50 | .55 | .60 |
| Nos | 7 | 8 | 9 | 10 | 11 | 12 |
| Per doz. | $0.80 | .95 | 1.05 | 1.20 | 1.40 | 1.60 |

Assorted, 1 to 6, 50c. per doz.; assorted, 7 to 12, $1 20 per doz.

Ordinary Quality. Tin Ferrules.

In Glass Top Boxes. One Gross in a Box.

Assorted, 1 to 6, per gross ..... $3.50
Assorted, 1 to 6, per doz. ..... .40

### Camel Hair Lacquering Brushes

61-I

Round ..... NET.

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per doz. | $0.80 | .90 | 1.00 | 1.20 | 1.40 | 1.65 |

Assorted, 1 to 6, per doz., $1.20.

Flat .....

| | ⅛ | ¼ | ⅜ | ½ | ⅝ | 1 |
|---|---|---|---|---|---|---|
| Per doz. | $0.80 | .95 | 1.05 | 1.35 | 1.70 | 2.05 |

Assorted, ⅛ to 1, per doz., $1.35.

### Camel Hair Gilders' Tips

61-J

| | NET. Per doz. |
|---|---|
| No. 1, Fine, 4 in. wide, hair 2 to 2½ long | $ 1.00 |
| No. 2, Superfine, extra heavy, 4 in. wide, hair 2 to 2½ in. long | 1.50 |

### Camel Hair Lustre Brushes

For China Painting.

61-L

| ⅛ in. | ¼ in. | 1 in. | NET. |
|---|---|---|---|
| $1.50 | 2.70 | 3.60 | |

# BRUSHES

## GILDERS' DUSTERS, MOPS AND SOFTENERS

### Round Badger Blender or Softener

Quill Bound. Polished Handles. NET.

**58-A**

| 2 | 4 | 6 | 8 | 10 | 12 |
|---|---|---|---|---|---|
| $2.00 | 3.40 | 4.75 | 6.30 | 9.00 | 12.60 |

### Camel Hair Gilders' Dusters or Mops

Quill Bound. Dome Painted. NET.

**53-B** Plain Handles.

| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|
| $2.00 | 3.10 | 4.50 | 6.40 | 8.20 | 10.80 | 13.60 | 19.20 |

### Camel Hair Dabbers or Split Quills

Dome Painted. Extra Quality. NET.

**53-C**

| 1 | 3 | 5 | 7 |
|---|---|---|---|
| $1.05 | 2.00 | 4.00 | 6.40 |

### Fitch Hair Stipplers or Blenders

Square Pointed. Quill Bound. Plain Handles.
Extra Superfine Stock. NET.

**58-B**

| 1 | 3 | 5 | 7 | 9 |
|---|---|---|---|---|
| $2.25 | 2.85 | 4.20 | 6.00 | 8.25 |

### Fitch Hair Stipplers or Blenders

Slanting Point. Quill Bound. Plain Handles.
Extra Superfine Stock. NET.

**58-C**

| 1 | 3 | 5 | 7 | 9 |
|---|---|---|---|---|
| $2.50 | 3.15 | 4.50 | 6.20 | 8.50 |

### Camel Hair Pencils

Hair 3/4 to 7/8 inch long. NET.

**59**

| | Per gross. |
|---|---|
| No. 20, Common Thread Bound, ass'd 1 to 8 | $1.10 |
| No. 25, Extra Rose, Bound, assorted....1 to 8 | 1.50 |
| No. 30, Super Silk Bound, Pointed, ass'd 1 to 8 | 2.70 |
| No. 33, Super Silk and Gold, Pointed, assorted.....1 to 8 | 4.80 |
| No. 35, Extra Rose Bound, in glass-top boxes with colored handles..... | 1.70 |
| No. 36, Super Silk Bound, in glass-top boxes | 3.40 |
| No. 37, Swan Quill, 1/2 to 3/4 hair..... | 8.40 |
| No. 38, Swan Quill, in Nickel Ferrules ..... | 14.40 |
| No. 39, Swan Quill, for Architects, Silk and Gold Bound, very large.....Per doz. | 3.40 |

## CAMEL HAIR WRITERS OR LETTERING

Hair 1 to 1 1/4 long.

NET.

**59-A**

| | Per gross. |
|---|---|
| No. 40, Extra Rose Bound.....ass'd 1 to 8 | $3.00 |
| No. 45, Silk and Silver Bound ..ass'd 1 to 8 | 4.00 |
| No. 49, Swan Quill..... .....ass'd 1 to 8 | 8.40 |
| No. 46, Swan Quill, in Nickel Ferrule, ass'd 1 to 1¼ | 14.40 |

### Camel Hair Stripers

Hair 1 1/2 to 2 1/2 in. long.

NET.

**59 B**

| | Per gross. |
|---|---|
| No. 50, Extra Rose Bound .....ass'd 1 to 8 | $3.50 |
| No. 55, Super Silk and Silver B'd, ass'd 1 to 8 | 5.00 |
| No. 60, Extra Rose Bound.....ass'd small | 2.80 |
| No. 65, Extra Rose Bound .....ass'd medium. | 4.00 |
| No. 70, Extra Rose Bound .....ass'd large | 6.00 |
| No. 75, Swan Quill, very large, ass'd 2 to 2½ | 10.80 |
| No. 80, Swan Quill, Nickel Ferrule, ass'd 1½ to 2½ | 14.40 |

For Camel Hair Sword Stripers see Class 61-P.

### Siberian Ox Hair Writers

Superfine.

**60-C** NET.

| No..... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $0.35 | .40 | .45 | .55 | .65 | .80 | .95 | 1.15 |

Assorted, 1 to 8, per dozen 75 cents.

### Siberian Ox Hair Stripers

Superfine.

**60-E** NET.

| No..... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $0.40 | .45 | .55 | .65 | .75 | .85 | 1.05 | 1.20 |

Assorted, 1 to 8, per dozen, 80 cents.

### Sword or Dagger Stripers

Brass Wire Bound. Short Wooden Handles.

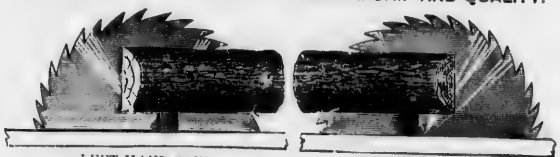
**61-P** EXTRA FINE QUALITY.

NET.

| | | | | | |
|---|---|---|---|---|---|
| Camel Hair.... | 1 | 2 | 3 | 4 | Assorted 1 to 4 |
| | $1.60 | 1.80 | 2.00 | 2.20 | 1.90 |
| Badger Hair... | 1 | 2 | 3 | 4 | Assorted 1 to 4 |
| | $1.80 | 2.00 | 2.20 | 2.40 | 2.10 |
| Ox Hair..... | 1 | 2 | 3 | 4 | Assorted 1 to 4 |
| | $2.00 | 2.20 | 2.40 | 2.60 | 2.30 |

## WARRANTED
## EXTRA CAST-STEEL CIRCULAR SAWS

**PATENT GROUND, SUPERIOR WORKMANSHIP AND QUALITY.**



LEFT HAND SAW. RIGHT HAND SAW.

### Directions for Ordering Saws.

When ordering Circular Saws, the following directions should be explicitly given:

WHETHER RIP OR CROSS-CUT.

Diameter of Saw in inches.
Thickness or gauge of Saw at rim.
Thickness or gauge of Saw at centre.
Right or left hand Saw (see engraving above).
Number of teeth in Saw.
Size of mandrel hole.
Size of pin holes.
Distance between pin holes from centre to centre.
Greatest feed at each revolution of Saw in inches
Kind of lumber to be sawed.
Number of revolutions of Saw per minute.
Whether swedge or set.

A very correct way to get the size of the holes is to place a piece of writing paper on the inside of the loose collar or flange, and press it round the holes with the finger, which will leave the impression of the eye and pin holes on the paper.

| SIZE. | GAUGE. | PRICE. | Each Additional Gauge Extra. | Size of Mandrel Hole. | Prices for Beveling New Saws (Grinding or Beveling Old Saws Extra.) | No. of Revolutions per Minute. |
|---|---|---|---|---|---|---|
| 3 in. | 19 | $ 0.72 | $ 0 05 | 5-8 inch. | ..... | 5100 |
| 4 | 19 | 0.75 | 0.06 | 5-8 " | ..... | 4900 |
| 5 | 19 | 1.00 | 0.08 | 5-8 " | ..... | 4700 |
| 6 | 18 | 1.15 | 0.10 | 5-8 " | ..... | 4500 |
| 7 | 18 | 1.40 | 0.12 | 3-4 " | ..... | 4200 |
| 8 | 18 | 1.68 | 0.14 | 3-4 " | ..... | 4000 |
| 9 | 17 | 1.95 | 0.16 | 1 " | ..... | 3750 |
| 10 | 16 | 2.25 | 0.18 | 1 " | $ 0.50 | 3500 |
| 12 | 15 | 2.85 | 0.20 | 1 " | 0.50 | 3200 |
| 14 | 14 | 3.50 | 0.24 | 1 " | 0.60 | 2700 |
| 16 | 14 | 4.40 | 0.30 | 1 1-8 " | 0.70 | 2300 |
| 18 | 14 | 5.30 | 0.45 | 1 1-8 " | 0.80 | 2000 |
| 20 | 13 | 6.30 | 0.48 | 1 1-8 " | 0.90 | 1800 |
| 22 | 12 | 7.40 | 0.52 | 1 1-4 " | 1.00 | 1650 |
| 24 | 11 | 8.60 | 0.60 | 1 1-4 " | 1.20 | 1475 |
| 26 | 11 | 9.90 | 0.70 | 1 3-8 " | 1.40 | 1350 |
| 28 | 11 | 12.00 | 0.80 | 1 3-8 " | 1 60 | 1275 |
| 30 | 10 | 14.00 | 0.90 | 1 1-2 " | 1 80 | 1200 |
| 32 | 10 | 16.50 | 1.00 | 1 1-2 " | 2.00 | 1125 |
| 34 | 10 | 18.70 | 1.20 | 1 1-2 " | 2 20 | 1080 |
| 36 | 9 | 21.00 | 1.50 | 1 1-2 " | 2.40 | 1000 |
| 38 | 9 | 24.20 | 1.75 | 1 1-2 " | 2.60 | 950 |
| 40 | 8 | 29.40 | 2.25 | 1 5-8 " | 3.00 | 900 |
| 42 | 8 | 34.65 | 2.75 | 1 3-4 " | 3.50 | 870 |
| 44 | 7 | 42.00 | 3.20 | 1 3-4 " | 3.70 | 848 |
| 46 | 7 | 49.25 | 3.75 | 1 3-4 " | 3.80 | 800 |
| 48 | 6 | 57.75 | 4.50 | 2 " | 4.00 | 760 |
| 50 | 6 | 65.65 | 4.75 | 2 " | 4.20 | 725 |
| 52 | 6 | 76.00 | 6.30 | 2 " | 4.30 | 700 |
| 54 | 6 | 89 75 | 7.50 | 2 " | 4.50 | 675 |
| 56 | 5 | 107.50 | 9.00 | 2 " | 4.70 | 650 |
| 58 | 5 | 126.50 | 10.00 | 2 " | 4 80 | 625 |
| 60 | 5 | 130.00 | 12.00 | 2 " | 5.00 | 600 |
| 62 | 4 | 162 75 | 13.50 | 2 " | 5.20 | 575 |
| 64 | 4 | 189.00 | 15.75 | 2 " | 5.40 | 550 |
| 66 | 4 | 200.00 | 18.00 | 2 " | 5.50 | 525 |
| 68 | 3 | 226.00 | 20.00 | 2 1-2 " | 5.70 | 500 |
| 70 | 3 | 252.00 | 22.50 | 2 1-2 " | 5.90 | 475 |
| 72 | 3 | 284.00 | 25.00 | 2 1-2 " | 6.00 | 450 |

## CROSS-CUT SAWS

### Common Tooth

Cast Steel ..... 45 cents per foot, set and filed

### No. 3—Lance Tooth

Price ..... 60 cents per foot, set and filed

### Keen Duster

Price ..... 60 cents per foot, set and filed

## CROSS-CUT SAWS

### No. 1—Lance Tooth

Price .....95 cents per foot, set and filed.

### No. 0.—Lance Tooth

Price..... $1.00 per foot, set and filed.

## CROSS-CUT SAWS

### Improved Champion

Cast Steel ..... 55 cents per foot, set and filed.

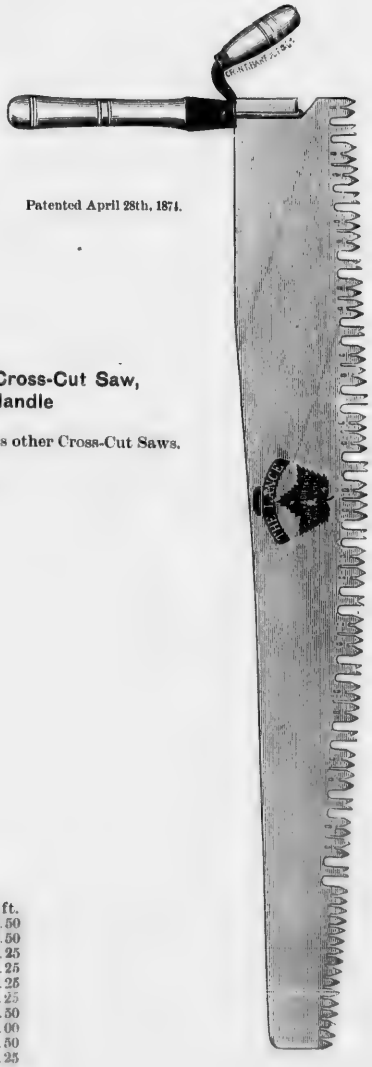
### Perforated Improved Champion

Cast Steel ..... 60 cents per foot, set and filed.

## CROSS-CUT SAWS

### No. 2.—One Man Cross-Cut Saw, with Common Double Handle

### Patent Double Handle One Man Cross-Cut Saws



Patented April 28th, 1874.

### No. 1.—One Man Cross-Cut Saw, with Lion Handle

Sold by the foot, same price as other Cross-Cut Saws. Any kind of tooth desired.

Handles, $0.30 each, extra.

### With Common Double Handle

| | 3½ ft. | 4 ft. | 4½ ft. | 5 ft. |
|---|---|---|---|---|
| Improved Diamond Tooth | $4.00 | $4.50 | $5.00 | $5.50 |
| Hanlan Tooth | 4.00 | 4.50 | 5.00 | 5.50 |
| Improved Champion Tooth | 2.85 | 3.25 | 3.75 | 4.25 |
| Dominion Tooth | 2.85 | 3.25 | 3.75 | 4.25 |
| Common Tooth | 2.85 | 3.25 | 3.75 | 4.25 |
| No. 1, Maple Leaf Lance Tooth | 3.83 | 4.30 | 4.78 | 5.25 |
| No. 0, Maple Leaf Lance (Racer) | 4.00 | 4.50 | 5.00 | 5.50 |
| No. 2, Lance Tooth | 2.95 | 3.30 | 3.65 | 4.00 |
| No. 3, Lance Tooth | 2.60 | 2.90 | 3.20 | 3.50 |
| Perforated Improved Champion Tooth | 3.70 | 4.20 | 4.70 | 5.25 |

The above are set and filed, ready for use.

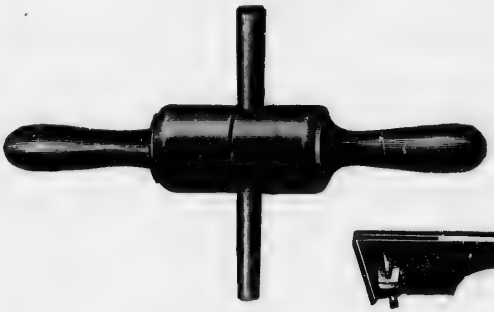
## THE NARROW RACER

NARROW RACER, FOR SAWING LOGS OR TREES.

Silver steel.....Per foot $0.75

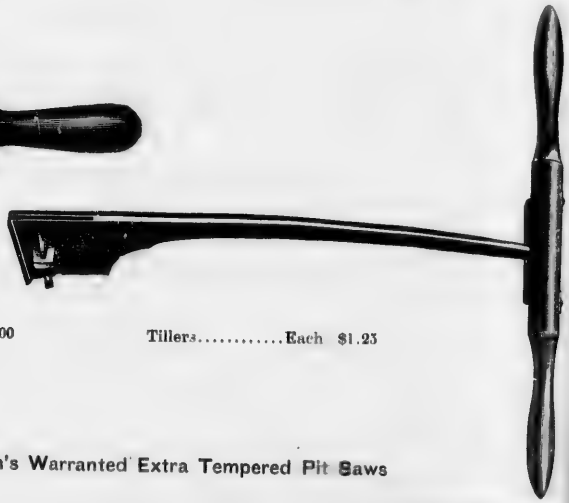
This Saw stands without a rival, and is the fastest cutting narrow saw in the world, working with LESS FRICTION and greater ease. For sawing all kinds of wood it has no equal.

### Box for Pit Saws



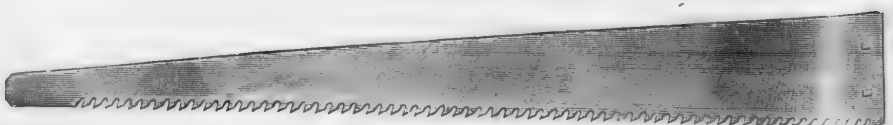
Boxes .....Each $1.00

### Tiller for Pit Saws



Tillers.....Each $1.25

### Shurly & Dietrich's Warranted Extra Tempered Pit Saws



| Length, feet | 5 | 5 1-2 | 6 | 6 1-2 | 7 | 7 1-2 | 8 |
|---|---|---|---|---|---|---|---|
| Each | $5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |

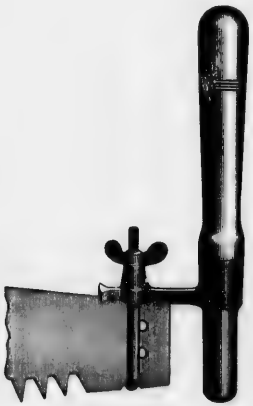
### Whip Saws

| Length, feet | 5 | 5 1-2 | 6 | 6 1-2 | 7 | 7 1-2 |
|---|---|---|---|---|---|---|
| Each | $3.00 | 3.30 | 3.60 | 3.90 | 4.20 | 4.50 |

## PATENT CROSS-CUT SAW HANDLES

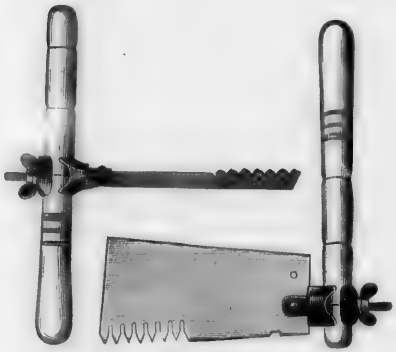
No. 2—LION.

No. 3.



No. 5.

No. 2—Lion. For one man saws ..... Each $0.30
No. 3—Wrought iron loop ..... Per pair .25
Boynton pattern, bolted through handle, wrought iron loop ..... Per pair .30
No. 5—Wrought iron loop ..... Per pair .25



No. 6.

No. 7.

No. 6—Adjustable cross-cut saw handles ..... Per pair $0.25
No. 7—Cross-cut saw handles ..... Per pair .25

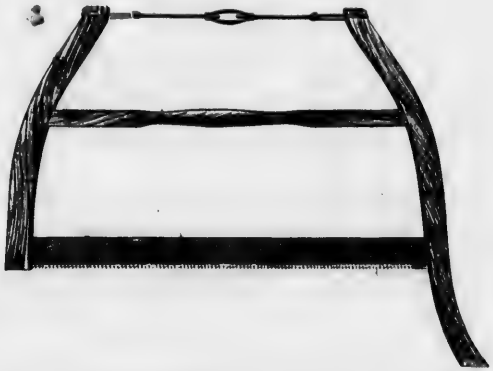
## WOOD SAW FRAMES

Wood Saw Frames, selected ..... Per dozen $1.50

### Wood Saws, Framed

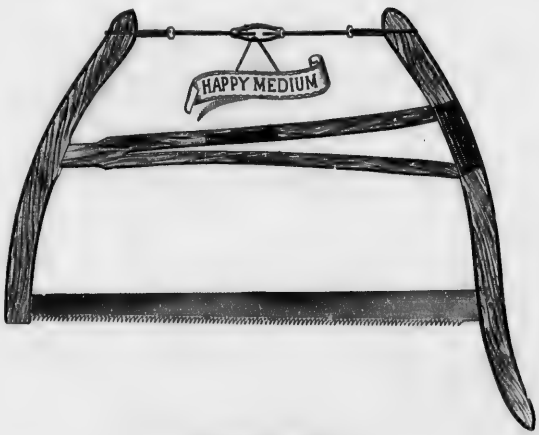
WITH LOOP ROD.

30 inch blades.



COMMON TOOTH—STAMPED "J. DOUGLASS"—SET AND FILED.

Unpainted frame, No. 15 blades ..... Per dozen $5.50
Red painted frame, No. 15 blades ..... Per dozen 6.00




### "Happy Medium"

Patented August 21st, 1878.

SHURLY & DIETRICH'S EXTRA, TAPERED BLADES.

Unpainted frame ..... Per dozen $7.50
Red painted frame ..... Per dozen 8.00

Packed complete, half dozen in box.

## WOOD SAWS, FRAMED

With Loop Rod.

30 inch blades.

### "Watch Spring"

Red painted frame, narrow blued clock spring steel blade ..... Per dozen $8.00

Packed complete, half dozen in a box.

### Common Sense

Red painted frame, silver steel lightning blade ..... Per dozen $9.00

Half dozen in a box.

### Patent Empire

Varnished frame, silver steel blade ..... Per dozen $10.75

Half dozen in a box.

## WOOD SAW BLADES

COMMON TOOTH.

No. **26**—J. Douglass, set and filed, 30 inch ..... Per dozen $3.85
No. **19**—Shurly & Dietrich, set and filed, 2 inch wide, 30 inch ..... Per dozen 4.95

LIGHTNING TOOTH.

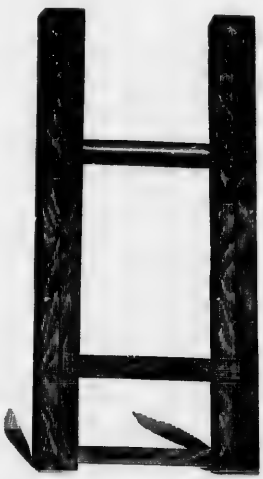
No. **22**—Shurly & Dietrich, set and filed, 2 inch wide, 30 inch ..... Per dozen 5.50

## Saw Rods

No. **37**—21 inch, malleable nuts ..... Per dozen $1.35

One dozen in a package.

## Folding Saw Bucks



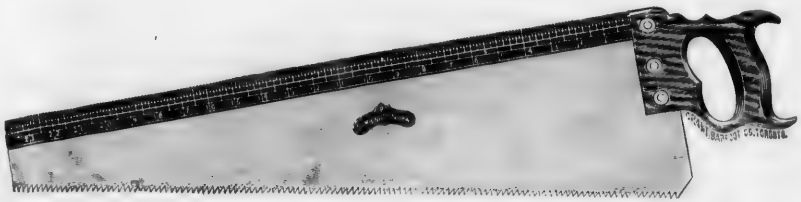
No. **1**—Plain square edges, 30 inches high, 18 inches wide, turned rounds used in place of flat pieces nailed on, as shown. Half dozen in package. Per doz. $4.25.

No. **2**—Band sawed and shaped edges, painted, same size as No. 1. The best folding saw buck made. Half dozen in package. Per doz. $6.25.

## HAND PANEL AND RIP SAWS

No. 40.

No. **40**—Combination, etched "Cacouna," 26 inch ..... Per dozen $9.00



No. 8.

No. **8**—Combination, 26 inch..... Per dozen $11.50

No. 10.

**A R. Perry & Bro.**

Cast Steel.

No. **10**—26 inch..... Per dozen $6.50

One-quarter dozen in a package.

## HAND PANEL AND RIP SAWS

No. 11.

### Hanlan

No. **11**—26 inch ..... Per dozen $8.00

No. 25.

### Enterprise

Cast Steel.

No. **25**—26 inch ..... Per dozen $10.25
No. **25**—28 inch ..... Per dozen 12.00

No. 9.

### Brown & Co.

Cast Steel.

No. **9**—26 inch ..... Per dozen $11.00
No. **9**—28 inch ..... Per dozen 12.50
No. **19**—26 inch, Dunn & Co. ..... Per dozen 10.00

One-quarter dozen in a package.

## HAND PANEL AND RIP SAWS

No. 6.

### Clipper

No. 6—26 inch ..... Per dozen $15.00
No. 6—28 inch ..... Per dozen 17.00

No. 7.

### Jackson & Co.

Cast Steel.

| Inch | 18 | 20 | 22 | 26 | 28 |
|---|---|---|---|---|---|
| Per dozen | $7.50 | 8.50 | 10.50 | 15.50 | 17.50 |

One-quarter dozen in a package.

No. 5.

### Shurly & Dietrich

Spring Steel, Warranted. Beech Handle.

| Inch | 18 | 20 | 22 | 26 | 28 |
|---|---|---|---|---|---|
| Per dozen | $11.50 | 14.00 | 15.50 | 18.00 | 21.00 |

One-third dozen in a box.

## HAND PANEL AND RIP SAWS

No. 4.

### Shurly & Dietrich

Spring Steel, Warranted. Beech Handle.

HOLLOW BACK.

| Inch | 24 | 26 | 28 |
|---|---|---|---|
| Per dozen | $17.50 | 18.00 | 21.00 |

**No. 14**—Straight back, beech handle, 26 inch ..... Per dozen $18.00

No. 4½.

### Shurly & Dietrich

Spring Steel, Warranted. Beech Handle.

HOLLOW BACK.

| Inch | 18 | 20 | 22 | 26 | 28 |
|---|---|---|---|---|---|
| Per dozen | $12.00 | 14.50 | 16.00 | 20.00 | 22.50 |

**No. 14 1-2**—26 inch, "Royal Oak" spring steel, fancy apple wood handle ..... Per dozen $20.00

No. 5½.

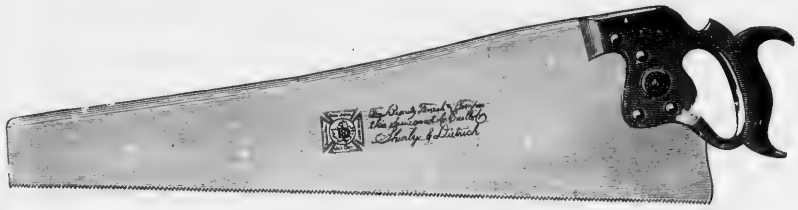
### Shurly & Dietrich

Spring Steel, Warranted. Beech Handle.

| Inch | 18 | 20 | 22 | 26 | 28 |
|---|---|---|---|---|---|
| Per dozen | $12.00 | 14.50 | 16.00 | 20.00 | 22.50 |

One-third dozen in a box.

## HAND PANEL AND RIP SAWS



No. 45.

### Shurly & Dietrich—"D. S"

Silver Steel, Highly Finished Blade, Apple Wood Handle, Raised Screws.

| Inch | 26 | 28 |
|---|---|---|
| Per dozen | $27.50 | 30.50 |

No. 45½ same as No. 45, but with Beech Handle.

| Inch | 26 | 28 |
|---|---|---|
| Per dozen | $24.00 | 26.50 |

### Henry Disston & Sons' Warranted Cast Steel, Patent Ground and Tempered, Hand and Rip Saws

No. 7.

Disston & Sons' Cast Steel, Warranted Beech Handle, Polished Edge, 4 Improved Screws, Grained Blade.

| Inch | 20 | 22 | 26 | 28 |
|---|---|---|---|---|
| Per dozen | $16.00 | 18.00 | 20.00 | 23.50 |

### Henry Disston & Sons' Warranted Spring Steel, Patent Ground and Tempered, Hand, Panel and Rip Saws

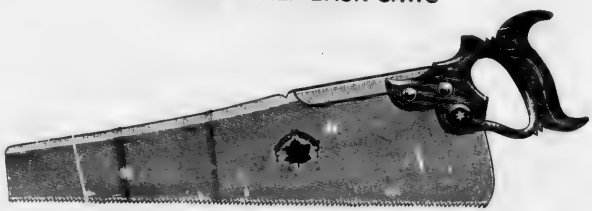
D-8.

Disston & Sons' Skew-Back Saw, Apple Handle, Polished Edge, 5 Improved Screws.

| Inch | 18 | 20 | 22 | 26 | 28 |
|---|---|---|---|---|---|
| Per dozen | $16.00 | 17.50 | 19.50 | 22.00 | 25.00 |

One-third dozen in a box.

## GENTS' HALF BACK SAWS



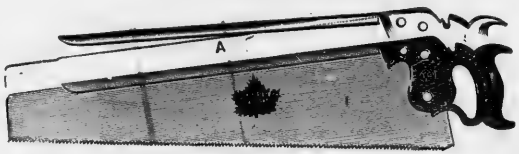
No. 12.

Silver Steel, Highly Polished Blade, Warranted. Apple Wood Handle.

| Inch | 18 | | 20 |
|---|---|---|---|
| Per dozen | $21.75 | | 24.50 |

One-third dozen in a box.

## Movable Back Panel Saws




No 14.

This saw can be used with equal facility for either a hand or back saw. When the back (A) is removed the saw can be used as a hand saw. Replace the back, and a first-class back saw is the result.

| Inch | 18 | 20 | 22 | 24 | 26 |
|---|---|---|---|---|---|
| Per dozen | $15.00 | 17.00 | 19.00 | 21.00 | 23.00 |

One-third dozen in a box.

## Back Saws

No. 2.—Shurly & Dietrich.

Extra Refined Spring Steel, Polished Back, Etched. Beech Handle.

| Inch | 10 | 12 | 14 | 16 | 18 | 20 |
|---|---|---|---|---|---|---|
| Per dozen | $15.50 | 17.50 | 19.50 | 22.00 | 25.00 | 29.00 |

No. 3—Shurly & Dietrich.

Extra Refined Spring Steel, Blue Back, Etched. Beech Handle.

| Inch | 10 | 12 | 14 | 16 | 18 | 20 |
|---|---|---|---|---|---|---|
| Per dozen | $16.50 | 18.50 | 20.50 | 23.00 | 26.00 | 30.00 |

No. 7—Jackson & Co.

Cast Steel, Polished Back, Etched. Beech Handle.

| Inch | 10 | 12 | 14 | 16 | 18 |
|---|---|---|---|---|---|
| Per dozen | $12.00 | 14.00 | 16.00 | 18.00 | 20.00 |

One-quarter dozen in a package.

## COMPASS SAWS

No. 19—Ground Thin on Back.

| Inch | 10 | 12 | 14 | 16 |
|---|---|---|---|---|
| Per dozen | $3.50 | | 4.00 | 4.25 |

No. 20.

| Inch | 10 | 12 | 14 | 16 |
|---|---|---|---|---|
| Per dozen | $3.25 | 3.50 | 3.75 | 4.00 |

Disston's Apple Handle.

| Inch | 12 | 14 |
|---|---|---|
| Per dozen | $4.50 | 4.75 |

## Nests of Saws – Disston's

**Patented May 26, 1874. Combining one each, keyhole, compass and table or pruning saw.**

Three sets in a box.....Per dozen sets $12.00
Handles and screws only.....Per dozen 2.50
Keyhole blades only.....Per dozen 1.50
Compass blades only.....Per dozen 3.00
Pruning blades only.....Per dozen 5.00

## Pruning Saws

No. 16.

| Inch | 14 | 16 | 18 | 20 |
|---|---|---|---|---|
| Per dozen | $6.00 | 7.00 | 7.50 | 8.00 |

One-quarter dozen in a package.

## DOUBLE EDGE PRUNING SAWS

Course teeth on one side, fine on the other.

No. **17**—18 inches.....Per dozen $8.00

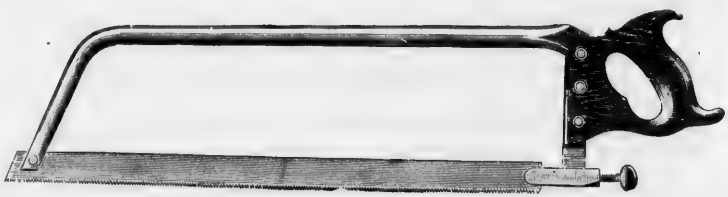
## Butcher Saws

No. 1—Flat Steel Back.

| Inch | **20** | **22** | **24** | **26** |
|---|---|---|---|---|
| Per dozen | $25.00 | 26.00 | 27.00 | 28.00 |

No. 15—22 Inch, Flat Steel Back.

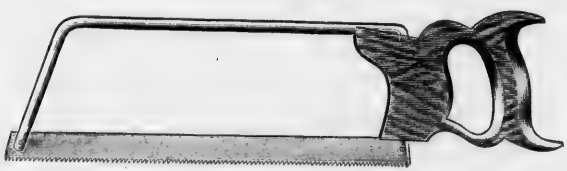
Per dozen.....$18.50



No. 2—Oval Back.

| Inch | **18** | **20** | **22** | **24** | **26** |
|---|---|---|---|---|---|
| Per dozen | $17.33 | 18.50 | 19.60 | 20.75 | 21.85 |

## Kitchen Saws



No. 7—Round Iron Back.

No. **7**—14 inches.....Per dozen $3.00
No. **65**—14 inches.....Per dozen 6.00
No. **65**—16 inches.....Per dozen 6.25

One-quarter dozen in a package.

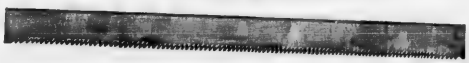
## IRON PAD, FRET OR KEY HOLE SAWS

No. 22—8 inch blade and handle ..... Per dozen $3.00

BLADES ONLY.

| Inch | 8 | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|---|
| Per dozen | $1.75 | 1.88 | 2.00 | 2.13 | 2.25 | 2.50 |

## Extra Cast Steel Butcher Webs



| Inch | 18 | 20 | 22 | 24 | 26 |
|---|---|---|---|---|---|
| No. 32, 1 inch wide ..... Per dozen | $5.50 | 6.00 | 6.50 | 7.00 | 7.75 |
| No. 31, 1¼ inch wide ..... Per dozen | 5.75 | 6.25 | 6.75 | 7.25 | 8.00 |
| No. 40, Clock spring ..... Per dozen | 6.75 | 7.25 | 7.75 | 8.25 | 9.00 |

## Cast Steel Felloe Webs

| Inch | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $2.56 | 3.08 | 3.58 | 4.10 | 4.60 | 5.12 | 5.63 | 6.15 | 6.64 | 7.17 | 7.68 |

17 to 14 gauge, from ⅜ to 1 inch wide, bevelled backs. For each quarter inch extra width.

Over one inch wide add ten per cent. to above prices.

## Cast Steel Turning or Chair Webs

| Inch | 6 | 7 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.50 | 1.60 | 1.64 | 1.80 | 2.10 | 2.40 | 2.66 | 2.93 | 3.20 | 3.73 | 4.27 | 4.89 | 5.33 | 5.87 | 6.10 | 6.50 | 7.25 |

20 to 17 gauge, ¼ to ¾ inches wide.

## Cast Steel Key Hole Saw Blades

| Inch | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.50 | 1.60 | 1.75 | 1.88 | 2.00 | 2.13 | 2.25 | 2.40 | 2.50 |

## Cast Steel Iron Webs or Hack Saws

FOR SAWING METAL.

| Inch | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.80 | 2.10 | 2.40 | 2.70 | 3.12 | 3.43 | 3.90 | 4.50 |

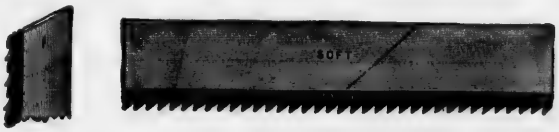
## P. S. Stubs' Extra Cast Steel Saws

| Inch | 8 | 10 | 12 |
|---|---|---|---|
| Per dozen | $3.25 | 4.30 | 5.35 |

## HACK SAW BLADES

### Yankee Brand Improved "Flexible Back" Blades

These blades are manufactured by an entirely new process, whereby the TEETH *only* are hardened, the BACK remaining soft, *i.e.*, not tempered; the blade will not snap or break, thereby assuring the user full efficiency until the teeth are worn dull.




The above cuts show the principle of the Yankee or "Flexible Back" blades, also the "set" of the teeth.

| Inch | 8 | 10 | 11 | 12 |
|---|---|---|---|---|
| Per dozen | $1.05 | 1.35 | 1.50 | 1.75 |

### Hack Saw Frames

LOCK EXTENSION FRAME.
Patented June 13, 1893. No. 499,227.

Made of steel; nickeled; fine finish. Takes in blades from 8 in. to 12 in., inclusive .....Per dozen $19.50

Made of spring steel; nickeled. To hold 8 in. blade .....Per dozen $6.75

No. **100**—Made of the best TEMPERED SPRING STEEL. Blades can be faced in four directions. The saw-blades are readily adjusted and are firmly held by the tempered spring steel frame. Full nickel plate, polished handle. 8 inch.....Per dozen $12.75

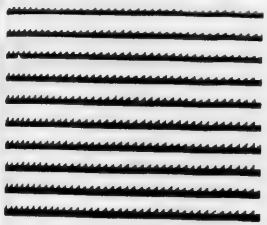
## SAW PADS

Beechwood Saw Pads, small.....Per dozen $5.40
Beechwood Saw Pads, large.....Per dozen 6.25
Boxwood Saw Pads.....Per dozen 8.25

Half dozen in a box.

## Bracket Saw Frames

No. 163—Bright flat bow, without bolt and nut, 10 inch.....Per dozen $1.50
No 163 1-2 Bright flat bow, with bolt and nut, 10 inch.....Per dozen 7.50

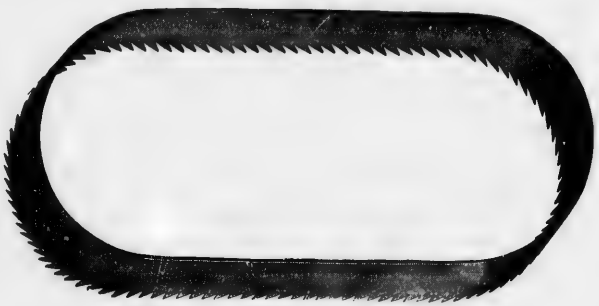


## Bracket Saw Blades

| Assorted Nos. | 00 to 4 | 5 to 8 |
|---|---|---|
| Per gross | $0.75 | .90 |

One gross in a package.

## Band Saws



French Band Saws, Extra Cast Steel.

JOINED.

| Length | | Width in inches. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 3-16 | 1-4 | 5-16 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 |
| 17 feet 10 inch | Each | $2.25 | 2.55 | 2.85 | 3.15 | 3.60 | 4.20 | 4.65 | .... | .... |
| 18 feet 6 inch | Each | 2.40 | 2.70 | 3.00 | 3.30 | 3.75 | 4.50 | 4.95 | .... | .... |
| 20 feet 6 inch | Each | 3.00 | 3.30 | 3.50 | 3.90 | 4.35 | 4.80 | 5.25 | 6.00 | 6.75 |

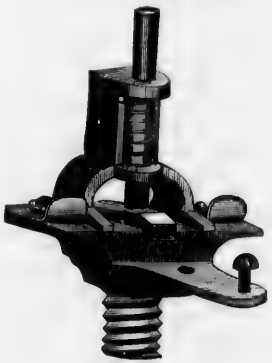
NOT JOINED. 100 FEET LENGTHS.

| Width, inch | 3-16 | 1-4 | 5-16 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per foot | $0.09 | .9 3-4 | .10 1-2 | .12 | .15 | .16 | .17 | .21 | .26 | .30 | .35 |

Common Sense Hammer Saw Sets.....Per dozen $11 70

Half dozen in a box.

### Hammer Saw Sets



Half size cut.

No. **771**—Wynn's Hammer Saw Sets.....Per dozen $7.50

Half dozen in a box.

### Lever Saw Sets

No. **40**—Stillman's Pattern Lever Saw Sets.....Per dozen $2.60

One dozen in a box.

## SAW SETS

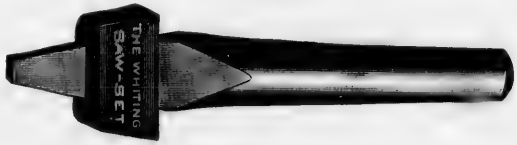
### Perfect

No. 1 PERFECT, for hand, panel and tenon saws ..... Per dozen $6.00
One in a box.

### Perfect

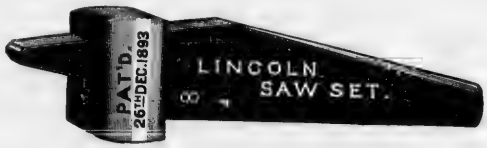
No. 3—PERFECT, for cross-cut and circular saws, 14 to 20 gauge ..... Per dozen $11.25
Half dozen in a box.

### The Whiting




The Whiting. For cross-cut saws ..... Per dozen $11.25

### The Lincoln




The Lincoln. For cross-cut saws ..... Per dozen $11.25

## SAW SETS

Style of Nos. 162 and 154.

| | Per dozen. |
|---|---|
| No. **162**—Bright steel, small, 6 cuts | $1.50 |
| No. **154**—Bright steel, large, 6 cuts | 3.45 |

No. 431.

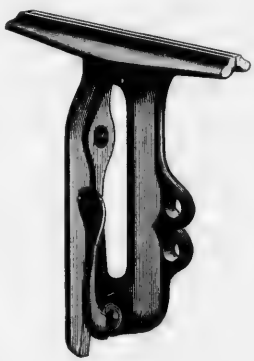
| | Per dozen. |
|---|---|
| No. **431**—Bright forged steel, black turnscrew handle | $1.35 |

One dozen in a box.

No. **432**—Bright steel, wood handle ..... Per dozen $5.40

One dozen in a box.

## Saw Filers' Vises



No. 100.

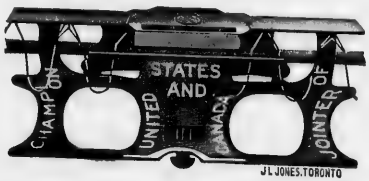
No. 3.

No. **100**—Japanned, 9½ inch jaws, polished face ..... Per dozen $10.25

No. **3**—Japanned, 9½ inch jaws, polished face, with screw clamp for fastening to bench, and screw adjustment for holding vise at any angle ..... Per dozen 11.25

## COMBINATION SAW TOOLS

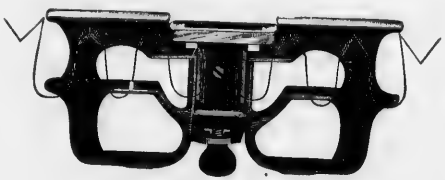
**Jointer, Raker Tooth Gauge and Side File, Combined in One Tool.**




**The Champion**

Champion Combination Saw Tool.....Per dozen $6.25

One dozen in a box.



**The Dexter**

Dexter Combination Saw Tool .....Per dozen $7.50

One dozen in a box.

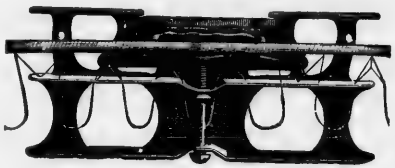
### Combined Saw Set, Jointer and Gauge

GIVES' PATENT.

Gives' Combined Saw Set, Jointer and Gauge.....Per dozen $4.65

## EXCELSIOR PATENT SAW TOOLS

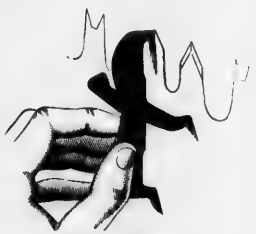
**Comprising a Combined Jointer and Cleaner, Tooth Gauge, Setting Block and Set Gauge.**



JOINTER.

TOOTH GAUGE.

SETTING BLOCK.

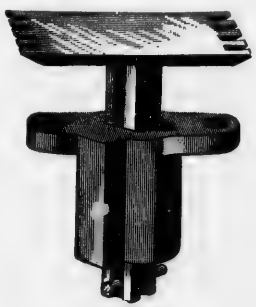


SET GAUGE.

The Excelsior Combination Saw Tools.....Per dozen sets $12.00

One-twelfth dozen sets in a box.

## Bench Hooks



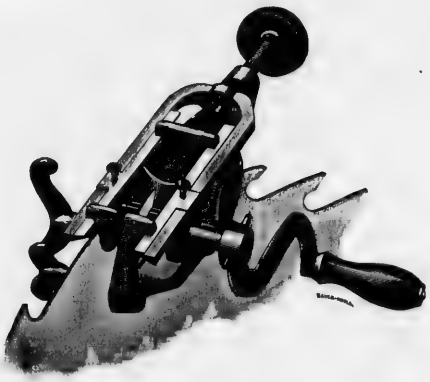
LIGHTNING.

MORRILL'S "PERFECT."

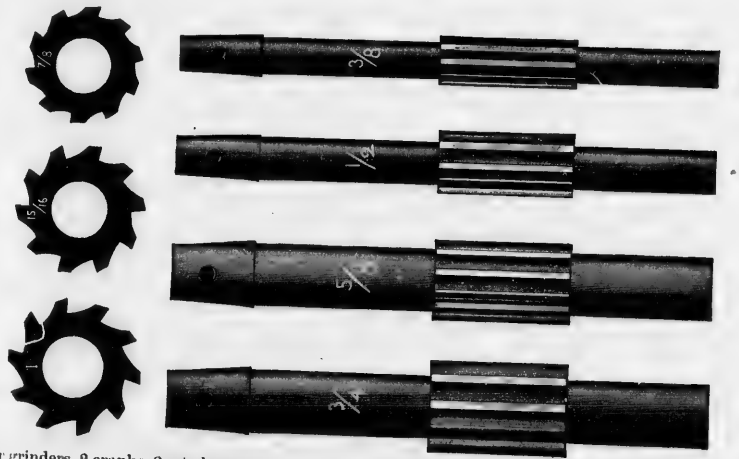
Lightning Bench Hooks.....Per dozen $4.50
No. 1—Morrill's Perfect Bench Hook, square steel spindle.....Per dozen 9.00

Half dozen in a box.

## SAW GUMMERS



### Cutter Grinder




With 2 cutter grinders, 2 cranks, 2 sets boxes and 1 cutter, each 3-8, 1-2, 5-8, 3-4 and 7-8 inch ..... Each $11.25

### Gummer Cutters

| Inch | 1-4 | 5-16 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|---|---|
| Each | $0.55 | .55 | .55 | .55 | .85 | 1.12½ | 1.40 | 1.70 |

## CROSS-CUT SAW GAUGE

SMITH'S, for filing Cleaner Teeth of Cross-Cut Saws ..... Per dozen $0.85
WHITING'S ..... Per dozen 2.20

Mixter's.

No. 1—For Saws thinner than 12 gauge ..... Each $4.00
No. 2—Medium size, for Saws 8 to 12 gauge ..... Each 4.50
No. 3—Large size, for Saws 5 to 10 gauge ..... Each 5.50

Disston's Conqueror.

No. 3—For Small Circular Saws ..... Each $3.00
No. 2—For Small Circular and Mill Saws ..... Each 3.75
No. 1—For Large Circular Saws ..... Each 4.50

## Brass Saw Screws

Style of No. 2.

Full size cut of No. 1.

Full size cut of No. 3.

No. 2—Brass Saw Screws ..... Per gross $3.75

Half gross in a box.

No. 3—Brass Saw Screws ..... Per gross 6.75

Quarter gross in a box.

## Amidon's Patent Corner Brace

Full Nickel Plate, Steel Rods, Black Walnut Head and Handles.

No. A8—8 inch Sweep ..... Each $4.50
No. A10—10 inch Sweep ..... Each 4.85

One-third dozen in a box.

## BARKER'S IMPROVED BRACES

Style F.

STYLE H.—Polished Birch Head and Handle.

No. H **8**—8 inch sweep, 7-16 inch steel rods ..... Per dozen $ 4.95
No. H **10**—10 inch sweep, 7-16 inch steel rods ..... Per dozen 5.40

STYLE F.—Polished Walnut Head and Handle.

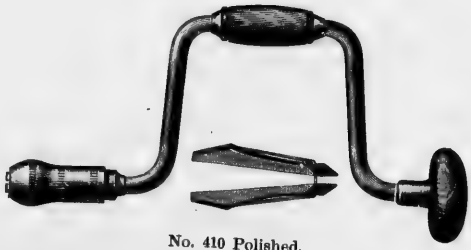
No. F **8**—8 inch sweep, 7-16 inch steel rods ..... Per dozen 5.75
No. F **10**—10 inch sweep, 7-16 inch steel rods ..... Per dozen 7.00
No. F **12**—12 inch sweep, 7-16 inch steel rods ..... Per dozen 7.50

STYLE E.—Full Nickel Plate, Lignumvitæ Head, Rosewood Handles.

No. E **8**—8 inch sweep, 7-16 inch steel rods ..... Per dozen 10.50
No. E **10**—10 inch sweep, 1-2 inch steel rods ..... Per dozen 11.25
No. E **12**—12 inch sweep, 1-2 inch steel rods ..... Per dozen 12.00

Half dozen in a box.

## Improved Sleeve Braces



No. 410 Polished.

Steel Sweep and Jaws, Black Enamelled Head and Handle.

No. **410**—10 inch sweep ..... Per dozen $10.25

Nos. 308 to 312.

Steel Sweep and Jaws, Mahogany Stained Head and Handle, Full Nickel Plate.

No. **308**—8 inch sweep ..... Per dozen 15.25
No. **310**—10 inch sweep ..... Per dozen 16.25
No. **312**—12 inch sweep ..... Per dozen 18.00

Nos. 208 to 212.

Steel Sweep and Jaws, BALL BEARING HEADS, Cocobolo Head and Handle, Full Nickel Plate.

No. **208**—8 inch sweep ..... Per dozen 20.75
No. **210**—10 inch sweep ..... Per dozen 23.50
No. **212**—12 inch sweep ..... Per dozen 26.00

Half dozen in a box.

## SPOFFORD'S BRACES

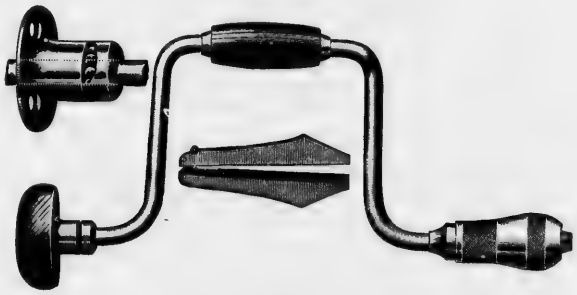
CANADIAN—Birch Head.

| No. | 1 | | 2 |
|---|---|---|---|
| Sweep, inch | 8 | | 10 |
| Per dozen | $10.50 | | 11.25 |

AMERICAN—Iron Head.

| No. | 10 | 12 | 14 |
|---|---|---|---|
| Sweep, inch | 10 | 12 | 14 |
| Per dozen | $19.00 | 21.50 | 24.00 |

## Barber Improved Braces



Heavily Nickel-Plated. Steel Sweep.

The head has a bearing of steel balls, running on hardened steel plates, so that no wear can take place, as the friction is reduced to the minimum.

| | | |
|---|---|---|
| No. **11**—12 inch sweep | Per dozen | $33.00 |
| No. **12**—10 inch sweep | Per dozen | 30.00 |
| No. **13**—8 inch sweep | Per dozen | 26.00 |
| No. **14**—6 inch sweep | Per dozen | 21.75 |
| No. **15**—4 inch sweep | Per dozen | 21.00 |
| No. **16**—4 inch sweep, with adjustable chuck, for piano makers' use | Per dozen | 21.00 |

Half dozen in a box.

## RATCHET BRACES

Style of No. O—Polished, and No. S.

STYLE O—Polished Rods, Walnut Head and Handle.

No. O **8**—8 inch sweep, 7-16 inch steel rods ..... Per dozen $11.25
No. O **10**—10 inch sweep, 7-16 inch steel rods ..... Per dozen 12.00

STYLE S—Full Nickel Plate, Lignumvitæ Head, Cocobolo Handles.

No. S **10**—10 inch sweep, 1-2 inch steel rods ..... Per dozen $16.50

Half dozen in a box.

## Improved Sleeve Ratchet Braces

Nickel-plated, Blued Steel Jaws, Mahogany Stained, Head and Handle.

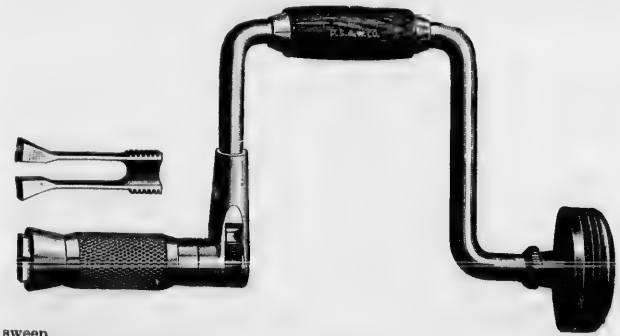
No. **102**—10 inch sweep..... Per dozen $24.25
No. **122**—12 inch sweep..... Per dozen 27.00

Half dozen in a box.

## Ratchet Braces

Lignumvitæ Heads, Rosewood Centres.

A good mechanic uses the best tools. A positive, simple ratchet, changed from right to left in an instant.
The only brace made with *solid steel jaws*, spring tempered, forged from one piece.



No. **0102**—10 inch sweep ..... Per dozen $31.50
No. **1002**—10 inch sweep, with ball-bearing heads..... Per dozen 53.00

Half dozen in a box.

## RATCHET BRACE

**With Breast Drill Attachment (or Drill Brace).**

**Cut Gears. Ball Bearing Head.**

This Brace is furnished with two sets of forged steel jaws, one for ordinary bits, the other taking round shank drills down to the smallest ordinary size. To aid in firmly holding the round shank drills, we furnish a small sleeve wrench, which can be used advantageously, the socket being instantly locked by turning the ring to allow both pawls to fall into the ratchet, thus preventing the socket turning in either direction.

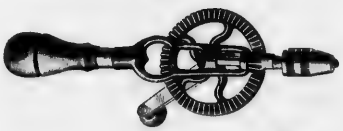
Each ..... $4.50

## Hand Drills

**No. 4.**

**Complete with Six Drills.**

**No. 4—Single Gear, Iron Head, Brass Chuck** ..... Each $0.90



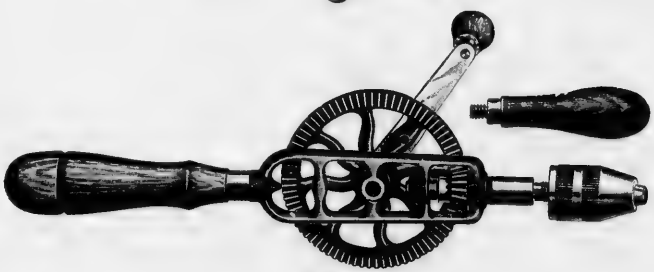
**No. 1.**

**Complete with Six Drills.**

**Hollow Rosewood Head. Nickel-plated.**

**Will hold Twist Drills, 1-8 inch and smaller.**

**No. 1—Single Gear, Nickel-plated.** Each $2.10

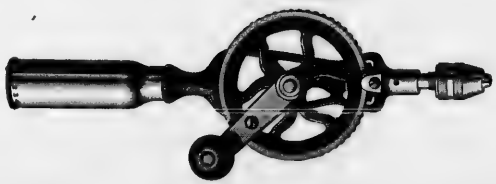


**No. 2.**

**Complete with Six Drills.**

**Will hold all Drills, 1-4 inch and smaller.**

**No. 2—Hollow Rosewood Handle, Nickel-plated Each** ..... $4.25

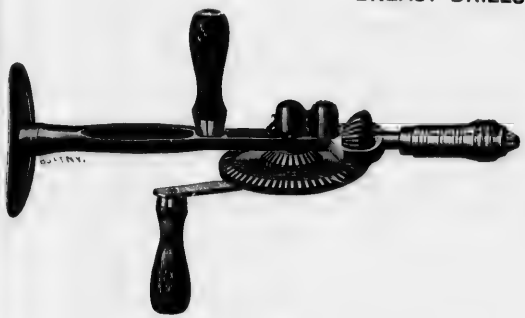


**No. 4—GOODELL'S.**

**Complete with Eight Drills.**

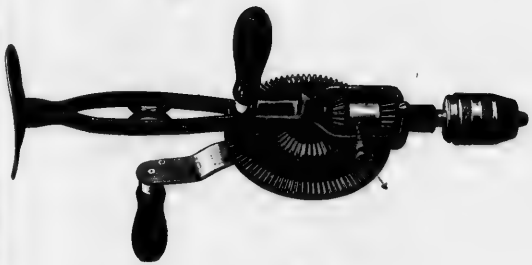
**No. 4—Hollow Nickel-plated Brass Handle, each compartment separately numbered**....Each $2.75

## BREAST DRILLS



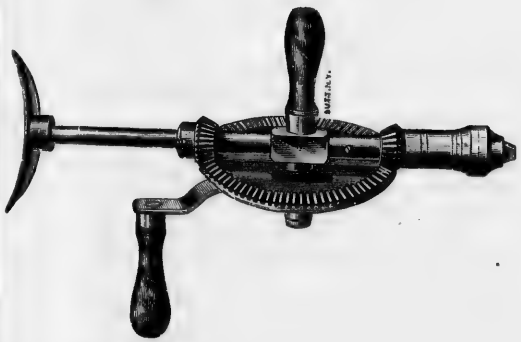
No. 12.

Japanned, rosewood handles, changeable gear. Chuck holds all shape tools, and with extra set of jaws for holding small round shanks. ..... Each, $4.25.



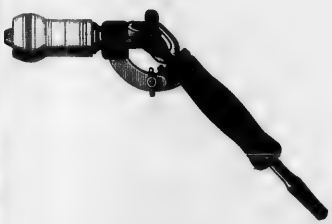
No 6—GOODELL'S.

Japanned, rosewood handles, double-geared, one gear remaining idle, and acting as an anti-friction bearing when the other is at work. Chuck is 3-jawed, and will hold from No. O drills to ½ inch. It has two speeds and can be changed from fast to slow by turning thumbscrew at side. Each, $5.00.



No. 13.

Extra large, nickel-plated rosewood handles, double gear, chuck holds all shape tools, and with extra jaws for holding small round shanks'.....Each, $6.60.



### Patent Universal Angular Bit Stock

To be used in connection with a brace and bit for boring holes in places where the brace and bit alone could not be used. Each, $2.40.

## BENCH PLANES.

**Extra Cast Steel Irons.**

### Smooth Planes.

No. **3**—2 to 2 1-4 Inch Double Iron, with Start ..... Each, 90 Cents

### Solid Handle Smooth Planes.

No. **7**—2 to 2 1-4 Inch Double Iron, with Start ..... Each, $1 75

### Jack Planes.

No. **12**—2 to 2 1-4 Inch Double Iron, with Start ..... Each, $1 00

### Razee Jack Planes.

No. **16**—2 to 2 1-4 Inch Double Iron, with Start ..... Each, $1 20

### Fore Planes.

No. **20**—2 3-8 to 2 5-8 Inch Double Iron, with Start ..... Each, $1 40

### Jointer Planes.

No. **30**—2 1-2 to 2 3-4 Inch Double Iron, with Start, **26** Inches Long ..... Each, $1 50
No. **31** 2 1-2 to 2 3-4 Inch Double Iron, with Start, **28** Inches Long ..... Each, 1 60
No. **32**- 2 1-2 to 2 3-4 Inch Double Iron, with Start, **30** Inches Long ..... Each, 1 75

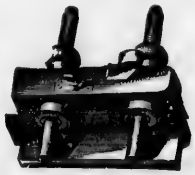
## MOULDING PLANES.

### Jack Rabbet Planes.

No. **53**—Side Handle, 2 Cutters, 1 1-4 to 2 Inches.....Each, $1 80

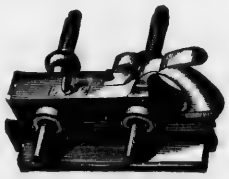
### Board Match Planes.

No. **70**—Iron Faced, 3-8 to 1 1-4 Inches .....Per Pair, $1 50



### Panel Plows.

No. **80**—Beechwood, 8 Irons, Screw Stop, with Applewood Screw Arms .....Each, $4 50



### Handled Panel Plows.

No. **90**—Beechwood, 8 Irons, Screw Stop, Applewood Screw Arms.....Each, $5 50
No. **94**—Beechwood, 8 Irons, Screw Stop, Boxwood Screw Arms, Fence Boxed.....Each, 7 00
No. **96**—Boxwood, 8 Irons, Screw Stop, Boxwood Screw Arms .....Each, 9 00

## MOULDING PLANES.

### No. 105. Single Boxed Beads.

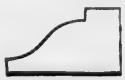
| Inches | 1-8 to 1-2 | 5-8 to 3-4 | 7-8 to 1 | 1 1-8 to 1 1-4 |
|---|---|---|---|---|
| Each | 50 Cts. | 55 Cts. | 70 Cts. | 90 Cts. |

### No. 108. Double Boxed Center Beads.

| Inches | 1-8 to 1-2 | 5-8 to 3-4 |
|---|---|---|
| Each | 60 Cts. | 65 Cts. |

### Fillets ters.

No. **119**—With Brass Side Stop and Cutter, 1 1-2 Inch.. ..... Each, $1 40
No. **121**—With Brass Screw Stop and Cutter, Solid Boxed, 1 1-2 Inch..... Each, 2 50



### Ogee Planes.

No. **128**—Sizes, 3-8 to 1 Inch..... Each, 65 Cts.

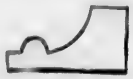
### Quarter Round Planes.

No. **155**—Sizes, 3-8 to 5-8 Inch..... Each, 50 Cts.

### No. 156. Cove Planes.

| Inch | 3-8 to 5-8 | 3-4 to 1 |
|---|---|---|
| Each | 50 Cts. | 65 Cts. |

## MOULDING PLANES.



### Cove and Bead Planes.

No. 157—Sizes, 3-8 to 5-8 Inch ..... Each, 50 Cents.

### Nosing Planes.

No. 158—Sizes, 1 to 1 1-4 Inch ..... Each, $1 00

### Dado Planes.

No. 177—With Screw Stop, Sizes, 1-8 to 1 Inch ..... Each, $1 50

### No. 180. Hollows and Rounds.

**In Sets of Nine Pairs.**

| Nos. | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | Per Set of 9 Pairs.. $7 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Inches | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | |

### No. 181. Skew Rabbet Planes.

| Inches | 1-2 to 1 | 1 1-8 to 1 1-4 | 1 3-8 to 1 1-2 | 1 5-8 to 1 3-4 | 1 7-8 to 2 |
|---|---|---|---|---|---|
| Each | 60 Cts. | 65 Cts. | 70 Cts. | 80 Cts. | 90 Cts. |

### Table Planes.

No. 185—Table Planes with Gauge, 1-2 to 5-8 Inch ..... Per Pair, $1 10

## STANLEY'S IRON BLOCK PLANES

**Planes marked NET are special and not subject to regular discount allowed off Stanley Planes.**

No. 101.

No. 102.

No. 103.

No. **101**—Length 3 1-2 inches, 1 inch cutter ..... Each $0.35
No. **102**—Length 5 1-2 inches, 1 1-4 inch cutter ..... Each .40
No. **103**—Adjustable, length 5 1-2 inches, 1 1-4 inch cutter ..... Each .40

No. 110.

No. 120.

No. **110**—Length 7 1-2 inches, 1 3-4 inch cutter ..... Each $0.60
No. **120**—Adjustable, length 7 1-2 inches, 1 3-4 inch cutter ..... Each .80

No. 130.

No. **130**—Double Ender Block Plane, length 8 inches, 1 3-4 inch cutter ..... Each $0.80
Has two slots and two cutter seats. It can be used as a block plane, or, by reversing as per dotted lines, it can be used to plane close up into corners.

## Bailey's Adjustable Iron Block Planes

No. 9 1-2.

No. 9 3-4.

No. **9 1-2**—Excelsior Block Plane, length 6 inches, 1 3-4 inch cutter ..... Each $1.50
No. **15**—Excelsior Block Plane, length 7 inches, 1 3-4 inch cutter ..... Each 1.60
No. **9 3-4**—Excelsior Block Plane, Rosewood handle, length 6 inches, 1 3-4 inch cutter ..... Each 1.75
No. **15 1-2**—Excelsior Block Plane, Rosewood handle, length 7 inches, 1 3-4 inch cutter ..... Each 1.85

No. 18.

## Bull Nose Rabbet Plane

No. 75.

No. **18**—Improved Knuckle-joint Block Plane. The single movement of putting the cap in position will firmly clamp the cutter. Length 6 inches, 1 3-4 inch cutter, lateral adjustment, nickel-plated trimmings ..... Each $1.75
No. **19**—Same as No. 18, but 7 inches in length ..... Each 1.85
No. **75**—Bull Nose Rabbet Plane, iron stock, length 4 inches, 1 inch cutter ..... Each .50

No. 101, half dozen, all others one only in a box.

## BAILEY'S PATENT ADJUSTABLE PLANES.

Cut showing Stanley's Patent Lateral Adjustment.

The above sectional view of a Plane illustrates the new method of Adjusting a Plane Iron, SIDEWISE, to set the cutting edge exactly square with the face of the Plane. This is effected by the Lever just under the Plane Iron. This Lever, for sidewise adjustment, is attached to all BAILEY IRON PLANES AND BAILEY WOOD PLANES.

### Bailey's Iron Planes.

Nos. 2 to 4 1-2.

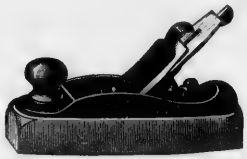
No. **2.** Smooth Plane, **7** Inches in Length, **1 5-8** Inch Cutter.....Each, **$2 75**
No. **3.** Smooth Plane, **8** Inches in Length, **1 3-4** Inch Cutter.....Each, **3 00**
No. **4.** Smooth Plane, **9** Inches in Length, **2** Inch Cutter.....Each, **3 25**
No. **4 1-2.** Smooth Plane, **10** Inches in Length, **2 3-8** Inch Cutter.....Each, **3 75**

Nos. 5 to 8.

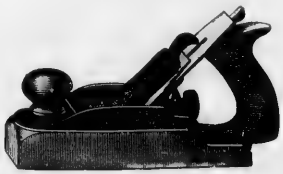
No. **5.** Jack Plane, **14** Inches in Length, **2** Inch Cutter.....Each, **$3 75**
No. **6.** Fore Plane, **18** Inches in Length, **2 3-8** Inch Cutter.....Each, **4 75**
No. **7.** Jointer Plane, **23** Inches in Length, **2 3-8** Inch Cutter.....Each, **5 50**
No. **8.** Jointer Plane, **24** Inches in Length, **2 5-8** Inch Cutter.....Each, **6 50**

ONE IN A BOX.

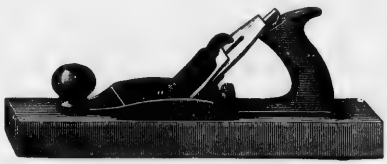
## BAILEY'S ADJUSTABLE WOOD PLANES



No. **21**—Smooth Plane, 7 inches in length, 1 3-4 inch cutter ..... Each $2.00
No. **24**—Smooth Plane, 8 inches in length, 2 inch cutter ..... Each 2.00

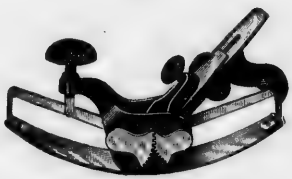


No. **35**—Handled Smooth, 9 inches in length, 2 inch cutter ..... Each $2.50
No. **36**—Handled Smooth, 10 inches in length, 2 3-8 inch cutter ..... Each 2.75



No. **26**—Jack Plane, 15 inches in length, 2 inch cutter ..... Each $2.25
No. **27**—Jack Plane, 15 inches in length, 2 1-8 inch cutter ..... Each 2.50
No. **28**—Fore Plane, 18 inches in length, 2 3-8 inch cutter ..... Each 2.75
No. **29**—Fore Plane, 20 inches in length, 2 3-8 inch cutter ..... Each 2.75
No. **31**—Jointer Plane, 24 inches in length, 2 3-8 inch cutter ..... Each 3.00
No. **32**—Jointer Plane, 26 inches in length, 2 5-8 inch cutter ..... Each 3.25
No. **33**—Jointer Plane, 28 inches in length, 2 5-8 inch cutter ..... Each 3.50

## Stanley's Adjustable Circular Plane



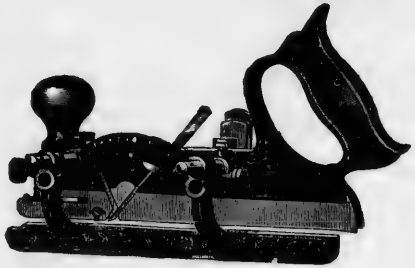
With flexible steel face, which can be easily shaped to any required arc, either concave or convex, by turning the knob on the front of the plane.

No. **113**—Adjustable Circular Plane, 1 3-4 inch cutter ..... Each $4.00

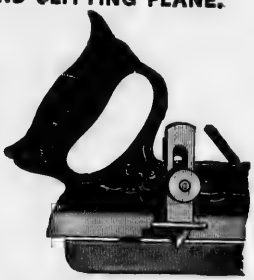
One in a package.

## ADJUSTABLE, BEADING, RABBET AND SLITTING PLANE.

NET.



No. 45.



Cut of Slitting Attachment used on Planes No. 45, 41 and 46.

This Plane embraces in a compact and practical form (1) Beading and Center Beading Plane; (2) Rabbet and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; and (6) a superior Slitting Plane Each Plane is accompanied by seven Beading Tools (1-8, 3-16, 1-4, 5-16, 3-8, 7-16 and 1-2 inch), nine Plow and Dado Bits (1-8, 3-16, 1-4, 5-16, 3-8, 7-16, 1-2, 5-8 and 7-8 inch), a Slitting Tool, and a Tonguing Tool.

**No. 45.** Iron Stock and Fence, with above 18 Tools and Bits.....Each, $8.00

Sample Cuts of the 18 Tools sold with Plane No. 45.

ONE IN A BOX.

### Hollows and Rounds.

Can be attached to Plane No. 45. But are NOT included in the REGULAR Assortment of parts furnished with that Plane.

| Nos..... | 6 | 8 | 10 | 12 |
|---|---|---|---|---|
| Works, Circle, In.... | 3-4 | 1 | 1 1-4 | 1 1-2 |
| Per Pair....$1 40 | | 1.40 | 1.40 | 1.40 |

ONE PAIR IN A BOX.

## STANLEY'S ADJUSTABLE STEEL PLANES

No. **104**—Smooth Plane, length 9 inches, 2 1-8 inch cutter ..... Each $2.75
No. **105**—Jack Plane, length 14 inches, 2 1-8 inch cutter ..... Each 3.50

## Bailey's Adjustable Veneer Scraper

No. **12**—Adjustable Veneer Scraper, 3 inch cutter ..... Each $3.50

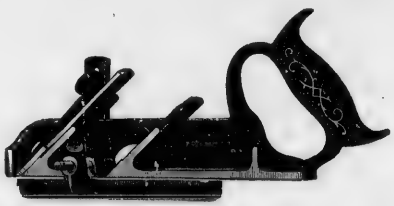
## Stanley's Adjustable Scraper Plane

For Scraping and Finishing Veneers, Cabinet work or Hard Woods. By use of an extra cutter, specially prepared, a superior Toothing Plane is made; and in addition to the ordinary work of such a plane, this one will do excellent work in scraping off old paint and glue.

No. **112**—Adjustable Scraper Plane, length 9 inches, 3 inch cutter ..... Each $3.00
Extra Cutters for Veneer Scraping ..... Each .25
Extra Cutters for Toothing, Nos. 22, 28, 32 (22, 28 or 32 teeth per inch)..... Each .35

## Patent Duplex Rabbet Plane and Filletster

NET.

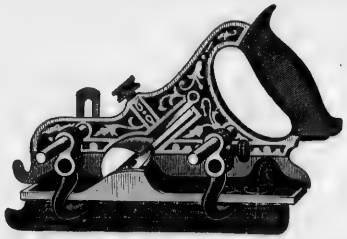


No. **78**—Iron Stock and Fence, 8 1-2 inches in length, 1 1-2 inch cutter ..... Each $1.50

All above, one in a box.

## MILLER'S PATENT COMBINED
## PLOW, FILLETSTER AND MATCHING MACHINE

NET.



This tool embraces, in a most ingenious and successful combination, the common Carpenter's plow, an adjustable Filletster and a perfect Matching plane. The entire assortment can be kept in a smaller space, or made more portable, than an ordinary Carpenter's plow.

With each tool eight forged plow bits (⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½ and ⅝ inch), a Filletster cutter and a slitting blade are furnished; also a Tonguing tool (¼ inch), and by use of the latter, with the ¼ inch Plow Bit for grooving, a perfect matching plane is made.

COMBINED PLOW, FILLETSTER AND MATCHING PLANE.

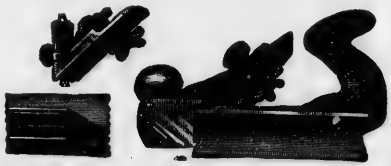
No. **41**—Iron Stock and Fence ..... Each $9.00

COMBINED PLOW AND MATCHING PLANE—WITHOUT FILLETSTER.

No. **43**—Iron Stock and Fence ..... Each $7.00

## Patent Adjustable Chamfer Plane

NET.

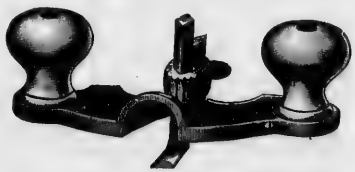


For Beading, Reeding or Moulding a chamfer, an additional section to this plane is furnished (price $1.00) with six cutters, sharpened at both ends, including a large variety of ornamental forms.

No. **72**—Chamfer Plane, 9 inches in length, 1⅛ inch cutter ..... $2.00

## Woodworkers' Handy Router Plane

NET.



This tool should be added to the kit of every skilled Carpenter, Cabinet Maker, Stair Builder, Pattern Maker or Wheelwright. It is perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any woodwork.

The bits can also be clamped to the backside of the upright post, and outside of the stock. In this position they will plane into corners, will router out mortises for Sash frame Pulleys, or will smooth surfaces not easily reached with any other tool.

No. **71**—Iron stock, with steel bits (¼ and ½ inch) ..... $1.50

All above one in a box.

## TRAUT'S ADJUSTABLE DADO, FILLETSTER, PLOW, ETC.

NET.

Guard Plate.

Tonguing-Tool.

Plow or Dado Bit.

No. 46.

By attaching the Guard Plate to the Sliding Section, the Tool may be readily converted into a Plow, a Filletster, or a Matching Plane. Furnished with Eight Plow and Dado Bits (3-16, 1-4, 5-16, 3-8, 1-2, 5-8, 7-8, and 1 1-4 In.), a Filletster Cutter, a Slitting Tool (See Cut with Plane No. 45), and a Tonguing-Tool.

**No. 46.** Iron Stock and Fence Complete, with Bits and Tools noted above.....Each, $7.00

### Adjustable Dado Only.

**No. 47.** Has the same Stock and Arms as shown above in No. 46. But it can be used as a Dado only. Price Complete, including Bits 3-8, 1-2, 5-8, 7-8 and 1 1-4 Inch, and Slitting Tool.....Each, $4.00

ONE IN A BOX.

### Stanley's Adjustable Chisel Gauge.

NET.

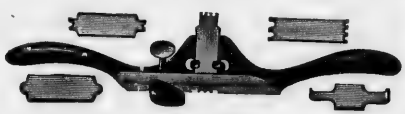
Useful in finishing work where blind nailing is required. By attaching the gauge to a 1-4 Inch Chisel (with beveled edge up), a shaving of any thickness can be raised with precision; and when glued down again, this shaving will fit its recess perfectly.

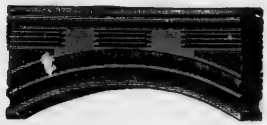
**No. 96.** Chisel Gauge, Steel Stock.....Per Dozen, $2.40

HALF DOZEN IN A BOX.

### Stanley's Universal Hand Beader.

NET.





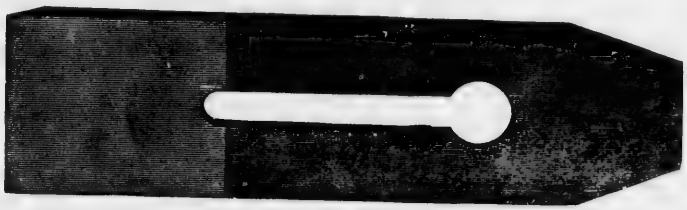
For Beading, Reeding or Fluting straight or irregular surfaces, and for all kinds of light Routering. Seven Steel Cutters, sharpened at both ends, go with each Tool. Thus embracing six ordinary sets of Beads, four sets of Reeds, two Fluters and a Double Router Iron (⅛ and ¼ Inch).

**No. 66.** Iron Stock, with seven Steel Cutters.....Each, $1.25

ONE IN A BOX.

## PLANE IRONS

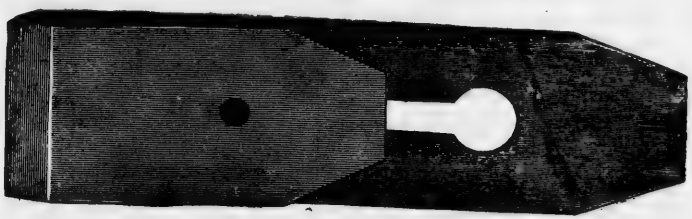
### Howarth's Single Cut Plane Iron



| Inch | 1 3-4 | 2 | 2 1-8 | 2 1-4 | 2 3-8 | 2 1-2 | 2 5-8 | 2 3-4 | 3 |
|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $3.00 | 3.40 | 3.60 | 4.00 | 4.50 | 4.65 | 5.25 | 5.75 | 7.25 |

Half dozen in a box.

### Howarth's Double Plane Iron



| Inch | 2 | 2 1-8 | 2 1-4 | 2 3-8 | 2 1-2 | 2 5-8 |
|---|---|---|---|---|---|---|
| Per dozen | $6.25 | 6.50 | 7.25 | 8.00 | 8.50 | 9.00 |

### Stanley's Patent Improved Plane Iron

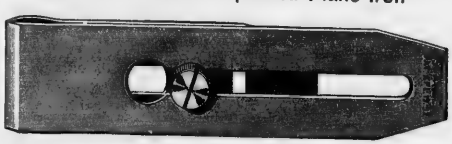


Illustration of plane iron, with cap-screw fastened just back of circular opening in the slot, and in position for using the iron.

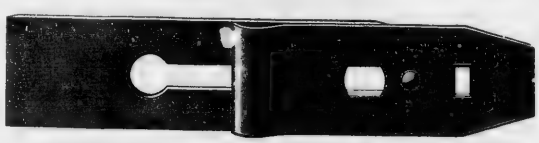


Illustration of plane iron, with cap screw moved to back end of the slot, and in position for sharpening the iron, without removing the cap.

The greater convenience in using, and the security from loss of the different parts, both commend this improved plane iron to all wood-workers.

| Inch | | 1 1-4 | 1 5-8 | 1 3-4 | 2 | 2 1-8 | 2 3-8 | 2 5-8 |
|---|---|---|---|---|---|---|---|---|
| Single | Per dozen | $2.75 | 3.40 | 3.80 | 4.25 | 4.50 | 5.00 | 5.50 |
| Double | Per dozen | 5.50 | 6.25 | 6.75 | 7.50 | 8.25 | 9.00 | 9.50 |

### Block Plane Irons

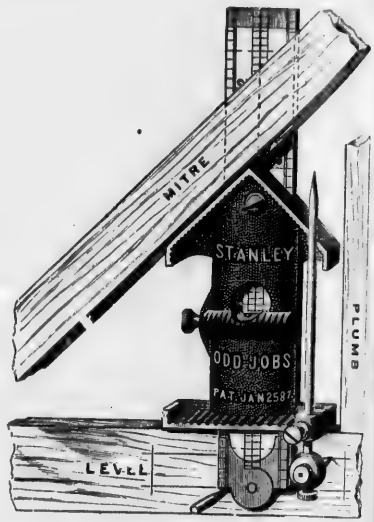
| Nos. | 9 1-2 | 101 | 102 | 110 |
|---|---|---|---|---|
| Per dozen | $2.75 | .90 | 1.75 | 2.25 |

Half dozen in a box.

## STANLEY'S "ODD JOBS"

This tool embraces in itself and when in combination with an ordinary carpenters' rule:

Try Square.
Mitre Square.
T— Square.
Marking Gauge.
Mortise Gauge.
Depth Gauge.
Mitre Level.
Spirit Level and Plumb.
Beam Compass.
Inside Square for making boxes and frames.




No. 1– Odd Jobs, nickel-plated, with Level..... Each $1 00

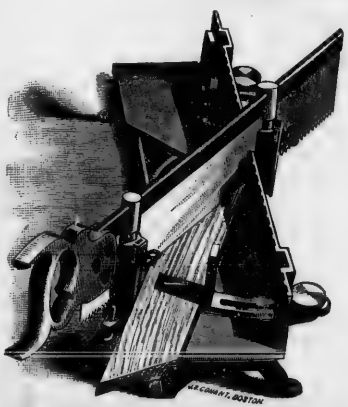
## Mitre Boxes

New Langdon

NEW LANGDON.

| No. | Size | Each | Saw | Capacity at Right angles | Capacity at Mitre |
|---|---|---|---|---|---|
| **18** | 1 | $14.25 | 20x4 inch. | 6 inch width | 4 inch width |

NEW LANGDON angles are positive, and are easily adjusted to any angle desired within the range of ordinary mitre boxes, viz.: Right angle to 45 degrees, inclusive.



New Langdon Improved.

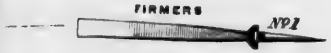
NEW LANGDON IMPROVED.

| No. | Size | Each | Saw | Capacity at Right angles | Capacity at Mitre |
|---|---|---|---|---|---|
| **27** | 1 | $15.75 | 20x4 inch | 6 inch width | 4 inch width |
| **28** | 1 | 17.25 | 22x4 inch | 6 inch width | 4 inch width |
| **29** | 1 | 20.75 | 24x4 inch | 6 inch width | 4 inch width |
| **33** | 2 | 20.75 | 26x4 inch | 9 inch width | 6¼ inch width |

The New Langdon Improved has the *additional* feature of easy adjustment to *any possible angle desired* (by using the circular arms or guides), from right angles to 73 degrees, and is adjustable for mitring circular work in patterns, emery wheels and segments of various kinds.

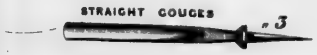
## CARVING TOOLS

### "Addis'"




| | No. 1. | | | | |
|---|---|---|---|---|---|
| Inch | 1-8 | 3-16 | 1-4 | 3-8 | 1-2 |
| Per dozen | $2.55 | 2.55 | 2.55 | 2.55 | 2.55 |

| | No. 2. | | | | | |
|---|---|---|---|---|---|---|
| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 | 1 1-4 |
| Per dozen | $3.00 | 3.00 | 3.00 | 3.00 | 3.60 | 4.80 |




| | No. 3. | | | | | |
|---|---|---|---|---|---|---|
| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 | 1 1-4 |
| Per dozen | $3.00 | 3.00 | 3.00 | 3.45 | 4.05 | 5 70 |

| | No. 4. | |
|---|---|---|
| Inch | 1 | 1 1-4 |
| Per dozen | $4.05 | 5.70 |

| | No. 5. | | | |
|---|---|---|---|---|
| Inch | 1-2 | 3-4 | 1 | 1 1-4 |
| Per dozen | $3.00 | 3.45 | 4.05 | 5.70 |

| | No. 6. | | | | |
|---|---|---|---|---|---|
| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
| Per dozen | $3.00 | 3.00 | 3.00 | 3.45 | 4.05 |

| | No. 7. | | | | |
|---|---|---|---|---|---|
| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
| Per dozen | $3.00 | 3.00 | 3.00 | 3.45 | 4.05 |

| | No. 8. | | | |
|---|---|---|---|---|
| Inch | 1-4 | 3-8 | 1-2 | 3-4 |
| Per dozen | $3.00 | 3.00 | 3.00 | 3.45 |

| | No. 10. |
|---|---|
| Inch | Assorted to 1-4 |
| Per dozen | $3 40 |

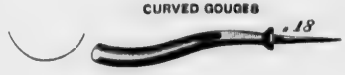
| | No. 11. |
|---|---|
| Inch | Assorted to 1-4 |
| Per dozen | $3.40 |

| | No. 16. | | | |
|---|---|---|---|---|
| Inch | 3-8 | 1-2 | 5-8 | 3-4 |
| Per dozen | $3.60 | 3.60 | 3.60 | 4.00 |

## CARVING TOOLS

### "Addis'"

CURVED GOUGES




| No. 18. | | | | | |
|---|---|---|---|---|---|
| Inch | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 |
| Per dozen | $3.60 | 3.60 | 3.60 | 3.60 | 4.00 |

| No. 20. | | | | | |
|---|---|---|---|---|---|
| Inch | 3-16 | 1-4 | 5-16 | 3-8 | 5-8 |
| Per dozen | $3.60 | 3.60 | 3.60 | 3.60 | 4.50 |

FRONT BENT GOUGES

| No. 26. | | |
|---|---|---|
| Inch | 3-8 | 1-2 |
| Per dozen | $3.60 | 3.60 |

| No. 28. | | | |
|---|---|---|---|
| Inch | 1-4 | 3-8 | 1-2 |
| Per dozen | $3.60 | 3.60 | 3.60 |

| No. 30. | | | | |
|---|---|---|---|---|
| Inch | 1-8 | 1-4 | 3-8 | 1-2 |
| Per dozen | $3.60 | 3.60 | 3.60 | 3.60 |

| No. 32. | | | |
|---|---|---|---|
| Inch | 1-16 | 1-8 | 3-16 |
| Per dozen | $3.60 | 3.60 | 3.60 |

BACK BENT GOUGES

| No. 36. | | | | |
|---|---|---|---|---|
| Inch | 1-4 | 3-8 | 1-2 | 5-8 |
| Per dozen | $3.60 | 3.60 | 3.60 | 3.60 |

PARTING TOOLS.

| No. 39. | | | |
|---|---|---|---|
| Inch | 3-16 | 1-4 | 3-8 |
| Per dozen | $4.50 | 4.50 | 4.50 |

| No. 41. | | | |
|---|---|---|---|
| Inch | 1-8 | 3-16 | 1-4 |
| Per dozen | $4.50 | 4.50 | 4.50 |

| No. 42. | | | |
|---|---|---|---|
| Inch | 1-8 | 3-16 | 1-4 |
| Per dozen | $4.80 | 4.80 | 4.80 |

| No. 43. | | | | | |
|---|---|---|---|---|---|
| Inch | 1-8 | 3-16 | 1-4 | 3-8 | 1-2 |
| Per dozen | $4.80 | 4.80 | 4.80 | 4.80 | 4.80 |

| No. 45. | | |
|---|---|---|
| Inch | 3-8 | 1-2 |
| Per dozen | $4.50 | 4.50 |

## CAST STEEL TANGED FIRMER CHISELS

JAMES HOWARTH & SONS.

| Inch | 1-8 | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 5-8 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.45 | 1.45 | 1.45 | 1.50 | 1.60 | 1.75 | 1.80 | 1.95 |
| Inch | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | |
| Per dozen | $2.10 | 2.20 | 2.50 | 3.60 | 4.50 | 5.40 | 6.60 | |

In sets of (10) Chisels, 1-8 to 1 1-2 inch ..... Per set $2.10
In sets of (12) Chisels, 1-8 to 2 inch ..... Per set 3.10

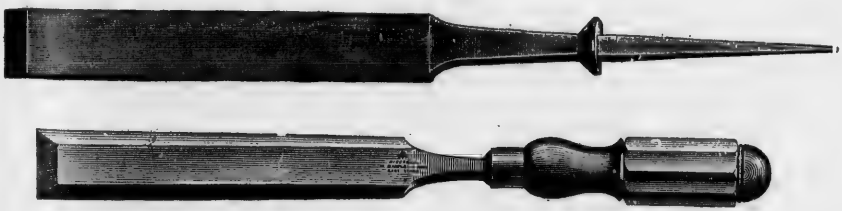
BEVELLED EDGE.

| Inch | 1-8 | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 5-8 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $2.70 | 2.70 | 2.70 | 2.80 | 2.85 | 3.00 | 3.15 | 3.30 |
| Inch | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 2 | | |
| Per dozen | $3.45 | 3.85 | 4.00 | 5.70 | 6.40 | 9.30 | | |

In sets of (10) Chisels, 1-8 to 1 1-2 inch ..... Per set $3.25
In sets of (12) Chisels, 1-8 to 2 inch ..... Per set 4.80
In sets of (12) Chisels, 1-8 to 2 inch, octagon boxwood handles ..... Per set 6.75

## Cast Steel Tanged Paring Chisels

JAMES HOWARTH & SONS.



| Inch | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $2.50 | 2.55 | 2.80 | 3.15 | 3.55 | 3.90 | 4.65 | 6.30 | 7.65 | 9.00 | 11.00 |

In sets of (12) Chisels, 1-8 to 2 inch ..... Per set $4.80

BEVELLED EDGE.

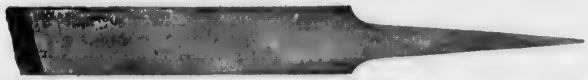
In sets of (12) Chisels, 1-8 to 2 inch ..... Per set $7.50
In sets of (12) Chisels, 1-8 to 2 inch, octagon boxwood handles ..... Per set 9.75

One-quarter and half dozen in a package.

(In sets) One set in a package.

## CAST STEEL TANGED TURNING CHISELS

JAMES HOWARTH & SONS.



| Inch | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.95 | 2.20 | 2.40 | 2.65 | 3.00 | 3.30 | 3.75 | 4.80 | 6.15 | 7.50 | 8.75 |

One-quarter and half dozen in a package.

## Cast Steel Socket Firmer Chisels

6 Inch Blade.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $4.00 | 4.25 | 4.50 | 4.75 | 5.00 | 5.50 | 5.75 | 6.00 | 6.50 | 7.00 | 8.00 | 8.75 |
| In sets of (12), 1-8 to 2 inch | | | | | | | | | | | | Per set $60.00 |
| In sets of (10), omitting 7-8 and 1 3-4 inch | | | | | | | | | | | | Per set 50.00 |
| In sets of (8), omitting 1-8, 5-8, 7-8 and 1 3-4 inch | | | | | | | | | | | | Per set 40.00 |
| For bevelled edges add | | | | | | | | | | | | Per dozen 2.25 |

## Cast Steel Socket Paring Chisels

8 Inch Blade.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $5.50 | 5.75 | 6.00 | 6.50 | 6.75 | 7.25 | 7.75 | 8.25 | 9.00 | 10.00 | 11.00 | 12.00 |
| In sets of (12), 1-8 to 2 inch | | | | | | | | | | | | Per set $80.00 |
| In sets of (9), omitting 1-8, 7-8 and 1 3-4 | | | | | | | | | | | | Per set 60.00 |
| For bevelled edges add | | | | | | | | | | | | Per dozen 3.00 |

One dozen or one set in a box.

## Cast Steel Socket Framing Chisels

9 Inch Blade.

| Inch | 1-4 to 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $6.50 | 7.00 | 7.25 | 7.75 | 8.75 | 9.50 | 10.50 | 11.00 | 12.00 | 14.00 | 15.00 |

Half dozen in a box.

## CAST STEEL SOCKET CORNER CHISELS

8 Inch Blade.

| Inch..... | 3-4 | .... | 7-8 | .... | 1 | .. . | 1 1-8 | .... | 1 1-4 | .... | 1 1-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen. | $15.00 | .... | 16.00 | .... | 17.00 | .... | 18.00 | .... | 19.50 | .... | 22.00 |

Half dozen in a box.

## Cast Steel Tanged Firmer Gouges

JAMES HOWARTH & SONS.

| Inch..... | 1-8 | .. | 3-16 | .. | 1-4 | .. | 5-16 | .. | 3-8 | .. | 7-16 | .. | 1-2 | .. | 5-8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen.... | $1.75 | .. | 1.75 | .. | 1.75 | .. | 1.80 | .. | 1 95 | .. | 2.10 | .. | 2.20 | .. | 2.35 |

| Inch ..... ..... | 3-4 | .. | 7-8 | .. | 1 | .. | 1 1-4 | .. | 1 1-2 | .. | 1 3-4 | .. | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen..... ..... | $2.55 | .. | 2.85 | .. | 3.10 | .. | 4.30 | .. | 5.25 | .. | 6.60 | .. | 8.00 |

In sets of (10) Gouges, 1-8 to 1 1-2 inch . ..... Per set $2.80
In sets of (12) Gouges, 1-8 to 2 inch..... Per set 3.60

INSIDE CANNEL.

| Inch..... ..... | 1-4 | .. | 3-8 | .. | 7-16 | .. | 1-2 | .. | 5-8 | .. | 3-4 | .. | 7-8 | .. | 1 | .. | 1 1-4 | .. | 1 1-2 | .. | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen ..... | $1.80 | .. | 2.05 | .. | 2.20 | .. | 2.25 | .. | 2.40 | .. | 2.70 | .. | 2.85 | .. | 3.15 | .. | 4 80 | .. | 5.40 | .. | 8.10 |

## Cast Steel Tanged Paring Gouges

JAMES HOWARTH & SONS.

| Inch..... ... ... .... | 1-4 | .. | 3-8 | .. | 1-2 | .. | 5-8 | .. | 3-4 | .. | 7-8 | .. | 1 | .. | 1 1-4 | . | 1 1-2 | .. | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen..... ..... | $4.15 | .. | 4.20 | .. | 4.50 | .. | 4.80 | .. | 5.25 | .. | 5.40 | .. | 6.30 | .. | 8.25 | .. | 9.45 | .. | 13.80 |

One-quarter and half dozen in a package.

## CAST STEEL TANGED TURNING GAUGES

EXTRA STRONG.

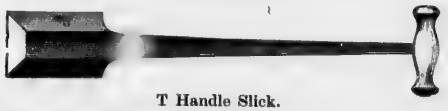
JAMES HOWARTH & SONS.

| Inch | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $4.90 | 5.10 | 6.00 | 6.75 | 7.65 | 9.60 | 11.25 | 14.25 | 15.75 | 17.25 |

One-quarter and half dozen in a package.

## Cast Steel Carpenters' Slicks

T or Socket Handle.



T Handle Slick.

Socket Slick.

| Inch | 3 | 3 1-2 | 4 |
|---|---|---|---|
| Per dozen | $20.00 | 22.00 | 25.00 |

## Cast Steel Carpenters' Draw Knives

Razor Blade.

No. 1.

| Inch | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|
| Per dozen | $9.00 | 11.00 | 12.00 | 13.25 | 14.50 | 15.50 |

STAR.

| Inch | 7 | 8 | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|---|---|
| Per dozen | $10.00 | 10.50 | 11.00 | 11.50 | 12.25 | 13.00 | 14.50 |

Half dozen in a box.

## CAST STEEL FARMERS' DRAW KNIVES

Oval Blades.

| Inch | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|
| Per dozen | $5.00 | 5.25 | 5.75 | 6.00 | 6.50 | 6.75 |

Half dozen in a package.

## Watrous Adjustable Draw Knives

Razor Blade.

| Inch | 9 | | 10 |
|---|---|---|---|
| Per dozen | $24.00 | | 26.00 |

Half dozen in a box.

## Cast Steel Wagon Makers' Draw Knives

| Inch | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per dozen | $10.50 | 11.50 | 12.50 | 13.50 |

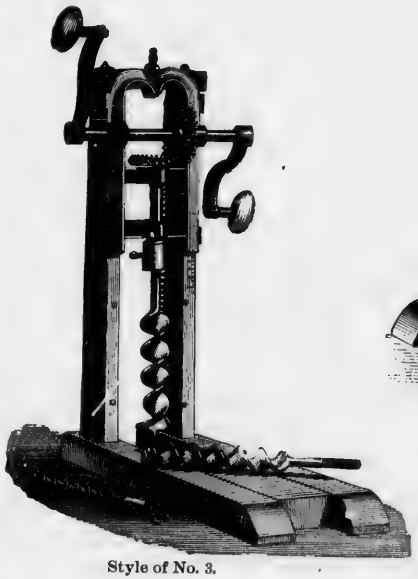
## Cast Steel Narrow Coach Draw Knives

| Inch | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per dozen | $9.50 | 11.00 | 12.00 | 13.25 |

Half dozen in a box.

## BORING MACHINES

Style of Nos. 2 and 2½.



Style of No. 3.

Hardwood frame and base. Complete with augers, one each 1, 1½ and 2 inch.

**Upright.**

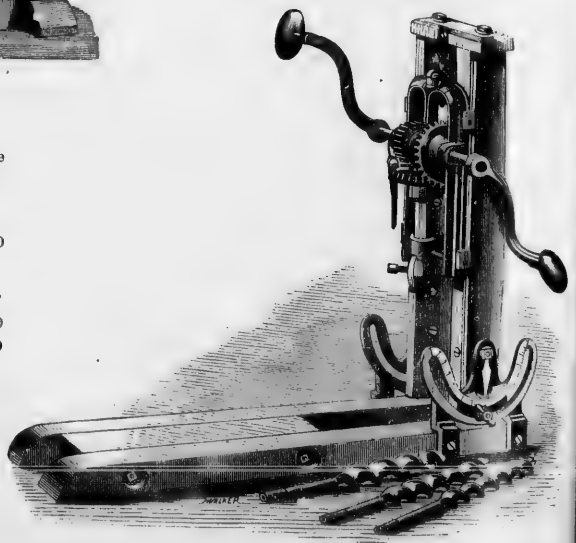
No. **3**—Square Shaft..... ....Each $9.50

**Angular, to Slant One Way, with Wrench.**

No. **2**—Round Shaft..... Each $10.00
No. **2 1-2**—Square Shaft.....Each 10.50

**Angular, to Slant Both Ways, with Angle Indicator.**

No. **4 1-2**—Square Shaft .....Each $10.50



Style of No. 4½.

## MILLERS FALLS BORING MACHINE

This machine has been fully perfected in all its parts, and is now sold with full warrant that it will do better work and give better satisfaction than any other kind in use. The frame is made of half inch round steel rods; the braces are the same and attach to the rods at the top by a set screw. When this set screw is loosened, the frame falls over so as to bore at any desired angle.

The depth of hole to be bored is fixed by a stop, as seen on the left hand upright rod in the cut. When the frame strikes this stop a latch is lifted, and the machine throws itself into gear by the use of a spring, and the Auger is lifted out of the hole by continuing to turn the crank in the same direction.

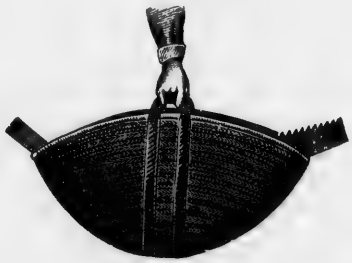
When the Auger is drawn from the hole the frame hangs itself up until the machine is moved to the next hole, then it is dropped down by turning the crank back until the Auger strikes the wood, when it is thrown out of gear and proceeds to bore the next hole. As seen in the cut, the machine has adjustable cranks which fully regulate its speed and power.

The gears are all cut, which is not common in other machines.

Complete with Augers, 1 1-4, 1 1-2, 2 inch.....Each $15.75

## Carpenters' Tool Baskets

Diaper Bound.



UNLINED.

| No. | No. 3 Large | No. 4 X Large | No. 5 X 10 Large |
|---|---|---|---|
| Inch | 27 | 30 | 35 |
| Per dozen | $4.80 | 5.75 | 7.25 |

LINED.

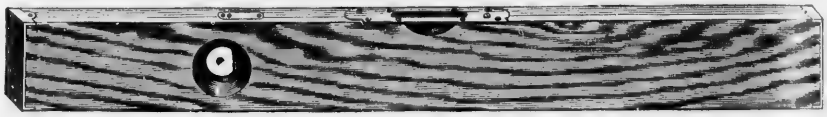
| No. | No. 3 Large | No. 4 X Large | No. 5 X 10 Large |
|---|---|---|---|
| Inch | 27 | 30 | 35 |
| Per dozen | $6.75 | 8.40 | 10.25 |

## PLUMBS AND LEVELS

No. 0.

No. **103**—Levels, ARCH top plate, two side views, polished, assorted, 18 to 24 inch..... .....Per dozen $12 00
No **104**—Plumb and Level, arch top plate, two side views, polished, assorted, 12 to 18 inch.....Per dozen 14.00
No. **00**—Plumb and Level, arch top plate, two side views, polished, assorted, 18 to 24 inch .....Per dozen 16.00
No. **0**—Plumb and Level, arch top plate, two side views, polished, assorted, 24 to 30 inch.....Per dozen 18 00
No. **1 3-4**—Mahogany Plumb and Level, arch top plate, two brass lipped side views, polished and tipped, assorted, 12 to 18 inch..... .....Per dozen 27 00

### Patent Improved Adjustable



No. 3.

No. **2**—Patent Adjustable Plumb and Level, arch top plate, two brass lipped side views, polished, assorted, 24 to 30 inch ..... .....Per dozen $27 00
No **3**—Patent Adjustable Plumb and Level, arch top plate, two side views, polished and tipped, assorted, 24 to 30 inch ..... .....Per dozen 30.00

No. 5.

No. **5**—Patent Adjustable Plumb and Level, triple stock, arch top plate, two ornamental brass lipped side views, polished and tipped, assorted, 24 to 30 inch.....Per dozen $48.00
No. **10**—Patent Adjustable Mahogany Plumb and Level, triple stock, two ornamental brass lipped side views, arch top plate, polished and tipped, assorted, 24 to 30 inch..... .....Per dozen 60.00

### Stanley's Patent Hand-y Plumb and Level

This Level can be used in horizontal position, or can be brought to perpendicular for ascertaining a plumb, with remarkable ease, as the shallow grooves along the two sides afford an excellent grip on the tool. This Level will be especially useful in house-framing, bridge-building and general out-of-door work.

No. **16**—Patent Adjustable Hand-y Plumb and Level, cherry, arch top plate, two side views, polished and tipped, assorted, 24 to 30 inch..... .....Per dozen $19.50 NET

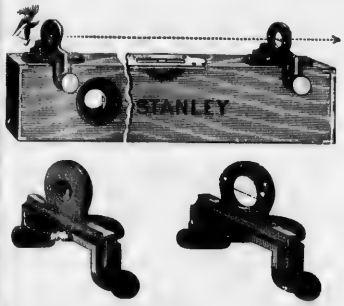
## PLUMBS AND LEVELS

No. 30.

No. **30**—Patent Adjustable Plumb and Level, cherry, arch top plate, improved duplex side views, polished and tipped, assorted, 24 to 30 inch ..... Per dozen $22.50 NET.

Half dozen in a box.

## Stanley's Improved Level Sights




By the use of these ingenious devices, which can be attached to any Level, the owner has a convenient and accurate means for leveling, from one given point to another at a long distance away. When not in use the level sights are easily detached, and can be packed away in a small space for future use.

No. **1**—Improved Level Sights ..... Per pair $1.15

One pair in a box.

## Rabone's Boxwood Plumbs and Levels

WITH RULE.

No. **1371** x 12 inch—1½ Inch wide, Plumb Level and Rule, brass ends ..... Per dozen $12.50
No. **1370** x 12 inch—2 Inch wide, Plumb Level and Rule, brass ends ..... Per dozen 12.75
No. **1370** x 18 inch—2 Inch wide, Plumb Level and Rule, brass ends ..... Per dozen 18.00

Half dozen in a box.

EXTRA LEVEL GLASSES.

No. **1616**—For Plumb ..... Per dozen $0.60
No. **1616**—For Level ..... Per dozen 1.20

One dozen in a box.

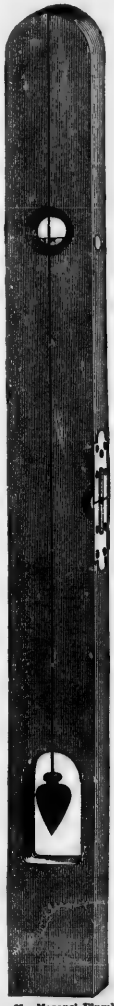
## Stanley's Dowel Sharpener

By its use Dowel Pins can be sharpened rapidly and uniformly.

No. **22**—Dowel Sharpener ..... Per dozen $2.75

Half dozen in a box.

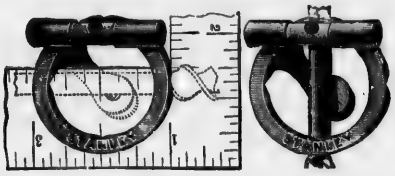
## MASONS' PLUMB AND LEVEL.



No. 35. Masons' Plumb and Level.

**No. 35.** Adjustable, 3 3-4 In. Wide, 42 In. Long.....Per Dozen $40.00

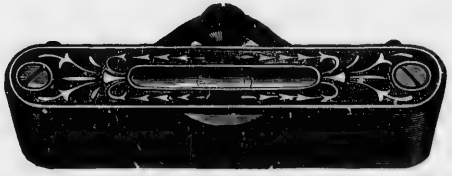
### Stanley's Bit and Square Level.



**No. 44.** Cast Brass Frame.....Per Dozen, $4.25

ONE IN A BOX.

### Pocket Levels.



No. 41.

**No. 40.** Iron, Iron Top Plate, Japanned.....Per Dozen, $1.25
**No. 41.** Iron, Brass Top Plate.....Per Dozen, 1.50
**No. 42.** All Brass, Brass Top Plate.....Per Dozen, 4.00

ONE DOZEN IN A BOX.

### Level Glasses.

| Inches | 1 3-4 | 2 | 2 1-2 | 3 | 3 1-2 |
|---|---|---|---|---|---|
| Per dozen | $0.55 | .55 | .60 | .60 | .70 |

ALL ONE TWELFTH GROSS IN A BOX.

## PLUMB BOBS.

Half Size Cut of No. 0 and Style of No. 00.

Half Size Cut of No. 1.

Half Size Cut of No. 2.

### Japanned Iron.

No. **0.** Weight, **2** Lbs. **10** Oz., Adjusted Top.....Per Dozen, $3.40
No. **00.** Weight, **1** Lb. **2** Oz., Adjusted Top.....Per Dozen, 2.10
No. **1.** Weight, **9** Oz., Staple Top.....Per Dozen, 1.05
No. **2.** Weight, **9 1-2** Oz., Adjusted Top.....Per Dozen, 1.15

Half Size Cut of No. 6.

### Cast Brass, Steel Pointed Screw Top.

No. **5.** Weight, **6** Ounces Each.....Per Dozen, $5.40
No. **6.** Weight, **11 1-2** Ounces Each.....Per Dozen, 7.50

Half Size Cut of Stanley's Adjustable No. 2.

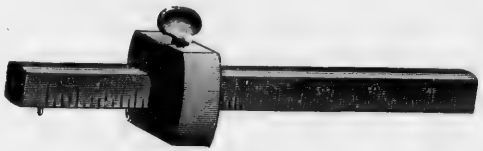
### Stanley's Adjustable Bronze Metal Plumb Bob.

No. **2.** Weight, **11 1-2** Ounces, Steel Point, Complete with Line and Reel.....Per Dozen, $21.00

No. 0, JAPANNED, IS LOOSE, AND NO. 2, ADJUSTABLE, ONE ONLY IN A BOX.
NOS. 00, 5 AND 6 ARE HALF DOZEN IN A BOX.
NOS. 1 AND 2, JAPANNED, ARE ONE DOZEN IN A BOX.

## GAUGES

### Marking Gauges



No. 61.

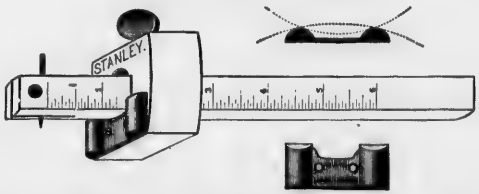
No. **61**—Beechwood, boxwood thumb screw, oval bar, marked in inches ..... Per dozen $0.90

Patent Adjustable Steel Point.

No. **64**—Beechwood, polished, plated head, boxwood thumb screw, oval bar, marked in inches, adjusting steel point ..... Per dozen $2.40

One dozen in a box.

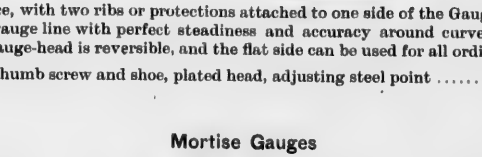
### Stanley's Patent Improved




The brass face, with two ribs or protections attached to one side of the Gauge-head (see engraving), will enable the owner to run a gauge line with perfect steadiness and accuracy around curves of any degree, and either concave or convex. The Gauge-head is reversible, and the flat side can be used for all ordinary work.

No. **165**—Boxwood, brass thumb screw and shoe, plated head, adjusting steel point ..... Per dozen $4.50

### Mortise Gauges

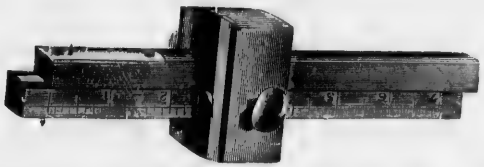


No. **67**—Adjustable wood slide, boxwood thumb screw, oval bar, marked in inches ..... Per dozen $3.25

Half dozen in a box

## GAUGES

### Mortise Gauges



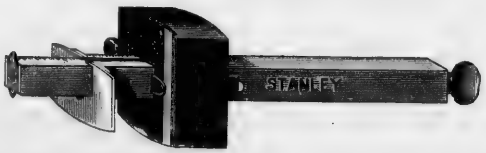
No. **72**—Patent Double Gauge (marking and mortise gauge combined), beechwood, polished, boxwood thumb screws, oval bars, marked in inches.....Per dozen $3.25

No. 77.

No. **77**—Patent Mortise and Marking Gauge, rosewood, plated head, improved screw slide, brass thumb screw and shoe, oval bar, marked in inches.....Per dozen $7.50

### Stanley's Butt and Rabbet Gauge

FOR HANGING DOORS, MORTISING, MARKING, ETC.




This Gauge has two bars, both of brass, one movable within the other; also three blades or markers. The two steel blades or markers at the extreme end of the inner bar, can be moved to any position by means of the thumb-screw at opposite end of the Gauge.

A Rosewood Head on the outer bar makes the ordinary Marking, or Slitting Gauge. At one end of the outer bar a steel plate or stop is attached; and, in connection with the Rosewood Head set at the proper distance from the plate, a double head for Mortising is made.

When the Head and Plate have been adjusted to the desired width for the mortise, both markers can still be moved by means of the thumb-screw, and the mortise lines set further in from the edge of the work in hand, or brought out nearer to the edge, without disturbing the width of the mortise.

A superior Butt Gauge, for hanging doors, is made by bringing the marker on the upper side of the bar back of, and to any required distance from the outer surface of the steel plate.

Turn the Gauge over, and place this outer surface against the back of the Rabbet in the door-casing. The owner can then gauge correctly for the back leaf of the Butt; and without changing any of the parts, the inner surface of the steel plate will act as a guide for the other marker in gauging on the edge of the door, for the front leaf of the Butt. The thickness of the plate (1-16th inch) will set off the door sufficiently to clear the jamb in opening and shutting.

The Rosewood Head should be secured at the end of the bar nearest the thumb-screw, when the tool is being used as a Butt Gauge. By placing one edge of a Butt between the surface of this Head and the small blade which stands up back of it, the exact thickness of the Butt is ascertained, and can be accurately gauged on both the door-post and the door. The movable Steel Plate affords a perfect guide for gauging in, or near, Rabbets of all kinds.

No. **92**—Improved Butt and Rabbet Gauge.....Per dozen $18.50

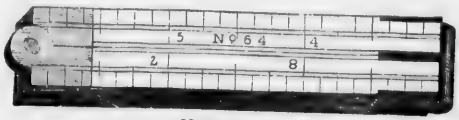
All above half dozen in a box.

## BOXWOOD RULES

STANLEY RULE AND LEVEL CO'S.

### One Foot, Four Fold, Narrow

No. **69**—Round joint, middle plates, 8ths and 16ths of inches, 5-8 inch wide ..... Per dozen $3.00



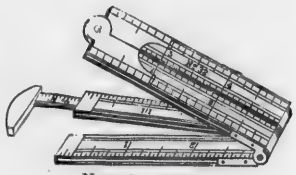

No. 65.

No. 57.

No. **65**—Square joint, middle plates, 8ths and 16ths of inches, 5-8 inch wide ..... Per dozen $3.50
No. **55**—Arch joint, middle plates, 8ths and 16ths of inches, 5-8 inch wide ..... Per dozen 1 00
No. **56**—Arch joint, edge plates, 8ths and 16ths of inches, 5-8 inch wide..... Per dozen 6.00
No. **57**—Arch joint, bound, 8ths and 16ths of inches, 5-8 inch wide..... Per dozen 12.00

### Caliper Rules

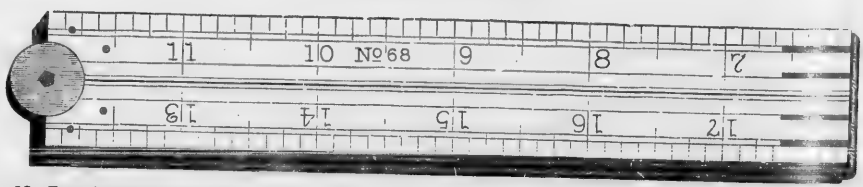
No. 36.



Nos. 32 and 32½.

No. **36** —Square joint, two fold, 8ths, 10ths, 12ths and 16ths of inches, 7-8 inch wide ..... Per dozen $7 00
No. **32** —Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths of inches, 1 inch wide ..... Per dozen 12.00
No. **32 1-2**—Arch joint, bound, 8ths, 10ths, 12ths and 16ths of inches, 1 inch wide ..... Per dozen 20.00

### Two Feet, Four Fold, Narrow

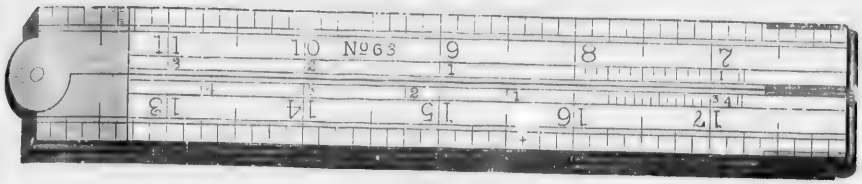



No. **68** —Round joint, middle plates, 8ths and 16ths of inches, 1 inch wide ..... Per dozen $4.00

## BOXWOOD RULES

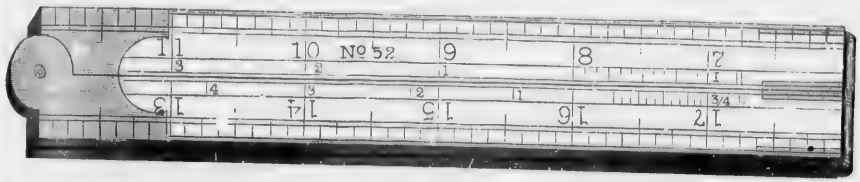
STANLEY RULE AND LEVEL CO.'S.

### Two Feet, Four Fold, Narrow.




No. 61.

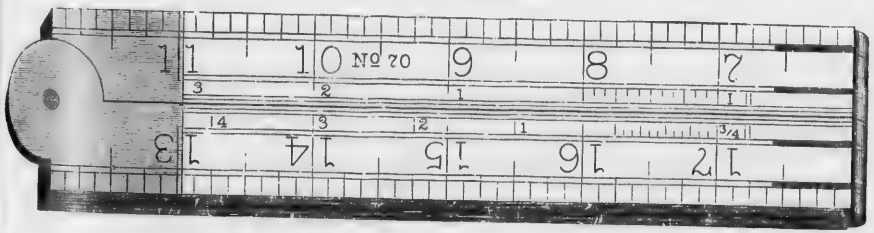
No. **61**—Square joint, middle plates, 8ths and 16ths of inches, 1 inch wide ..... Per dozen $ 5.00
No. **84**—Square joint, half bound, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide ..... Per dozen 12.00
No. **62**—Square joint, bound, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide ..... Per dozen 15.00




No. 52.

No. **51**—Arch joint, middle plates, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide.....Per dozen $ 6.00
No. **53**—Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide .....Per dozen 8.00
No. **52**—Arch joint, half bound, 8ths, 10ths, 12ths and 16th of inches, drafting scales, 1 inch wide .....Per dozen 13.00
No. **54**—Arch joint, bound, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide.. .....Per dozen 16.00
No. **59**—Double arch joint, bitted, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide ....Per dozen 9.00

### Two Feet, Four Fold, Broad.



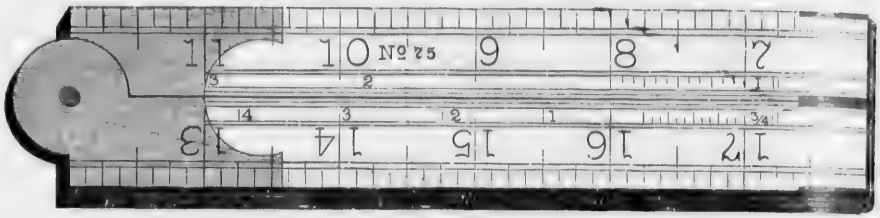

No. 70.

No. **70** —Square joint, middle plates, 8ths and 16ths of inches, drafting scales, 1 3-8 inch wide .....Per dozen $ 7.00
No. **72 1-2**—Square joint, bound, 8ths, 10ths and 16th of inches, drafting scales, 1 3-8 inch wide.....Per dozen 18.00

## BOXWOOD RULES

STANLEY RULE AND LEVEL CO'S.

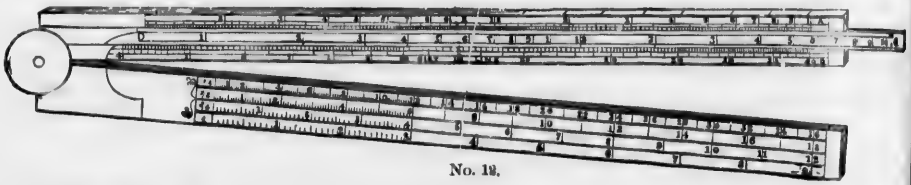
### Two Feet, Four Fold, Broad



No. 73.

No. **73**—Arch joint, middle plates, 8ths, 10ths and 16ths of inches, drafting scales, 1 3-8 inch wide .....Per dozen $9.00
No **81**—Arch joint, edge plates, 12ths and 16ths of inches, drafting scales, board measure, 1 3-8 inch wide Per dozen 18.00
No. **82**—Arch joint, bound, 12ths and 16ths of inches, drafting scales, board measure, 1 3-8 inch wide ..Per dozen 22.00

### Two Feet, Two Fold



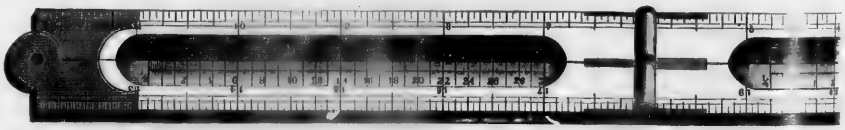
No. 12.

No. **18**—Square joint, 8ths and 16ths of inches, 1 1-2 inch wide.....Per dozen $5.00
No. **4**—Arch joint (plates on outside of wood) bitted, extra thin, 8ths and 16ths of inches, drafting and octagonal scales, 1 1-2 inch wide.....Per dozen 10.00
No. **12**—Arch joint, bitted, Gunter's slide, 8ths, 10ths and 16ths of inches, 100ths of a foot, drafting and octagonal scales, 1 1-2 inch wide.....Per dozen 14.00

### Three Feet, Four Fold Rules

No **66 1-2**—Arch joint, middle plates, four fold, 8th and 16ths of inches, 1 inch wide .....Per dozen $8.00

### Architects' Rules, with Beveled Edges



No. **53 1-2**—Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths of inches, with inside beveled edges and Architects' drafting scales, 1 inch wide .....Per dozen $15.00

### Pattern Makers' Shrinkage Rules

No. **31**—Pattern Makers' Shrinkage Rule, two fold boxwood, triple plated edge plates, 8ths and 16ths of inches, 24 1-4 inches .....Per dozen $18.00

## SHIP CARPENTERS' BEVELS

No. 42.

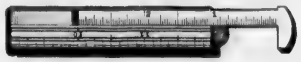
No. **42**—Boxwood, double tongue, 8ths and 16ths of inches.....Per dozen $6.00

## Ivory Rules

STANLEY RULE AND LEVEL CO.'S

NOTE.—Ivory rules are not subject to same discount as boxwood rules.

No. 38.



No. 40.

### Ivory Caliper, Six Inch.

No. **38**—Square joint, German silver, two fold, 8ths, 10ths, 12ths and 16ths of inches, 7-8 inch wide.....Per dozen $15.00

### Ivory Caliper, One Foot, Four Fold.

No. **40**—Square joint, German silver, bound, 8ths and 16ths of inches, 5-8 inch wide.....Per dozen $44.00

### Ivory, One Foot, Four Fold.

No. **90** Round joint, brass, middle plates, 8ths and 16ths of inches.....Per dozen $10.00

No. **92 1-2** Square joint, German silver, middle plates, 8ths and 16ths of inches, 5-8 inch wide.....Per dozen 14.00

No. **92** Square joint, German silver, edge plates, 8ths and 16th of inches, 5-8 inch wide.....Per dozen 17.00

No. **91** —Square joint, German silver, edge plates, 8ths, 10ths, 12ths and 16ths of inches, 3-4 inch wide.....Per dozen 23.00

No. **88** Arch joint, German silver, bound, 8ths and 16ths of inches, 5-8 inch wide.....Per dozen 32.00

### Ivory, Two Feet, Four Fold.

No. **85**—Square joint, German silver, edge plates, 8ths, 10ths, 12ths and 16ths of inches, 7-8 inch wide.....Per dozen $54.00

No. **87**—Arch joint, German silver, bound, 8ths, 10ths, 12ths and 16ths of inches, drafting scales, 1 inch wide.....Per dozen 80.00

## COMPARATIVE LIST OF RULES

### Boxwood Rules

| Stanley's Nos. | Chapin's Nos. | Stephen's Nos. | List Per Doz. |
|---|---|---|---|
| 1 | 41 | .. | $7 00 |
| 2 | 42 | 13 | 8 00 |
| 4 | 44 | 15 | 10 00 |
| 5 | 45 | 17 | 16 00 |
| 6 | 50 | 16 | 18 00 |
| 8 | .. | .. | 12 00 |
| 12 | 48 | 14 | 4 50 |
| 13 | .. | .. | 14 00 |
| 15 | 49 | 37 | 10 00 |
| 16 | 51 | 28 | 24 00 |
| 18 | 39 | 2 | 28 00 |
| 22 | 40 | 5 | 5 00 |
| 26 | 46 | 9 | 8 00 |
| 27 | 47 | .. | 9 00 |
| 29 | 38 | 1 | 12 00 |
| 32 | 72 | 98 | 3 50 |
| 32½ | 73 | 99 | 12 00 |
| 36 | 70 | 95 | 20 00 |
| 36½ | 70½ | .. | 7 00 |
| 42 | 85 | 31 | 12 00 |
| 43 | 85½ | 30 | 6 00 |
| 51 | 16 | 46 | 6 00 |
| 52 | 18 | 49¼ | 6 00 |
| 53 | 17 | 48 | 13 00 |
| 53½ | 17½ | 39 | 8 00 |
| 54 | 19 | 49 | 20 00 |
| 55 | 6 | 73 | 16 00 |
| 56 | 7 | 74 | 4 00 |
| 57 | 9 | 75 | 6 00 |
| 58 | 96 | 38 | 12 00 |
| 58½ | .. | .. | 13 00 |
| 59 | 20 | 50 | 3 60 |
| 60 | 21 | 52 | 9 00 |
| 61 | 11 | 42 | 21 00 |
| 61½ | 11½ | 44 | 5 00 |
| 62 | 15 | 42½ | 5 50 |
| 62½ | 15½ | 42¼ | 15 00 |
| 63 | 12 | 45 | 15 00 |
| 63½ | 13 | 44½ | 7 00 |
| 64 | 3 | 72 | 8 00 |
| 65 | 2 | 71 | 5 00 |
| 65½ | 5 | 72½ | 3 50 |
| 66 | 84 | .. | 11 00 |
| 66½ | .. | 32 | 8 00 |
| 67 | 22 | 53 | 8.00 |
| 68 | 10 | 41 | 5 00 |
| 69 | 1 | 70 | 4 00 |
| 70 | 23 | 54 | 3 00 |
| 72 | 24 | 56 | 7 00 |
| 72½ | 6 | 54½ | 9 00 |
| | | | 18 00 |

### Boxwood Rules

| Stanley's Nos. | Chapin's Nos. | Stephen's Nos. | List Per Doz. |
|---|---|---|---|
| 73 | 27 | 57 | $9 00 |
| 75 | 28 | 59 | 11 00 |
| 76 | 30 | 60 | 20 00 |
| 77 | 31 | 61 | 12 00 |
| 78 | .. | .. | 20 00 |
| 78½ | 32 | 63 | 24 00 |
| 79 | 34 | 64 | 11 00 |
| 81 | 36 | 66 | 13 00 |
| 82 | 37 | 67 | 22 00 |
| 83 | 33 | .. | 14 00 |
| 84 | 14 | 42¼ | 12 00 |
| 94 | .. | .. | 48 00 |

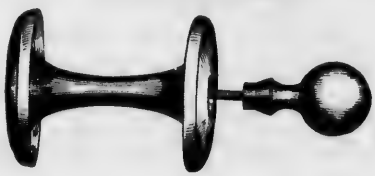
### Ivory Rules

| | | | |
|---|---|---|---|
| 38 | 74 | 95½ | 15 00 |
| 39 | 76 | 98½ | 38 00 |
| 40 | 77 | 99½ | 44 00 |
| 85 | 59 | 77 | 54 00 |
| 86 | 60 | 88 | 64 00 |
| 86½ | .. | .. | 96 00 |
| 87 | 61 | 84 | 80 00 |
| 88 | 57 | 94 | 32 00 |
| 88½ | 56 | 93 | 21 00 |
| 89 | 62 | 86 | 92 00 |
| 90 | 52 | 89 | 10 00 |
| 91 | 58 | 91½ | 23 00 |
| 92 | 55 | 91 | 17 00 |
| 92½ | 54 | 90½ | 14 00 |
| 95 | 64 | 87 | 102 00 |
| 97 | 67 | 88 | 116 00 |

### Miscellaneous Rules

| | | | |
|---|---|---|---|
| 33 | 82 | .... | 2 00 |
| 34 | 80 | .... | 3 00 |
| 35 | 81 | .... | 6 00 |
| 41 | 83 | .... | 3 50 |
| 43½ | 90½ | .... | 12 00 |
| 44 | 92 | .... | 5 00 |
| 45 | 93 | .... | 7 00 |
| 45½ | 94½ | .... | 18 00 |
| 46 | 87O | .... | 8 00 |
| 46½ | 87S | .... | 8 00 |
| 47 | 88G | .... | 12 00 |
| 47½ | 88S | .... | 12 00 |
| 48 | 89 | .... | 12 00 |
| 48½ | 86½ | .... | 15 00 |

## CHALK LINE REELS



**No. 1**—Chalk Line Reels, beechwood ..... Per dozen $0.60
**No. 10**—Chalk Line Reels, with awls ..... Per dozen 1.20

No. 1, three dozen in a box. No. 10, one dozen.

## YARD STICKS

No. **33**—Yard Stick, polished ..... Per dozen $1.80
No. **41**—Yard Stick, brass tips, polished ..... Per dozen 3.00
No. **50**—Yard Stick, hickory, brass capped ends, polished ..... Per dozen 3.75

## Counter Measures—INSPECTED.

C and B.

Woodyatt's, polished brass ..... Per dozen $5.40
Woodyatt's, brass, nickel plated ..... Per dozen 6.00
C and B, heavy brass ..... Per dozen 12.00

## Starrett's Steel Rules

No. 30.

These rules are of finest quality, and graduations warranted accurate.

No. **4**—Graduations : eighths, sixteenths, thirty-seconds and sixty-fourths.

| Inch | 3 | 4 | 6 | 9 | 12 |
|---|---|---|---|---|---|
| Each | $0.55 | .70 | 1.00 | 1.50 | 1.90 |

## Shrink and Standard Rules

No. 34SS.

Shrink on one side (1-8 inch to the foot) and standard on the other.

No. **4**—Graduations : eighths, sixteenths, thirty-seconds and sixty-fourths.

12 inch ..... Each $3.00

### Shrink Rules

No. 34 x 12 inch.

Allowing 1-8 inch to the foot.

No. **4**—Graduations : eighths, sixteenths, thirty-seconds and sixty-fourths ..... Each $3.00

### Brass Shrink Rules

No. 34B x 12 inch.

Allowing 3-16 inch to the foot.

No. **4**—Graduations : eighths, sixteenths, thirty-seconds and sixty-fourths ..... Each $3.00

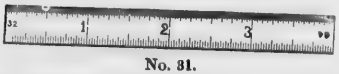
### Double Shrink Rules

No. 34D x 12 inch.

Allowing 1-4 inch to the foot.

No. **4**—Graduations : eighths, sixteenths, thirty-seconds and sixty-fourths ..... Each $3.00

## Starrett's Flexible Rules



No. 31.

This cut represents a very thin watch-spring tempered rule, nicely graduated on one side only, in either 32nds and 64ths, 64ths and 100ths, or 50ths and 100ths whole length. Those from 1 inch to 12 inches are 1-2 inch wide, and will easily conform to a 2 inch circle. These rules are highly prized by watchmakers and all fine mechanics for measuring irregular surfaces. 32-64 graduation will be sent, unless otherwise ordered.

| Inch | 3 | 4 | 6 | 9 | 12 |
|---|---|---|---|---|---|
| Each | $0.55 | .70 | 1.00 | 1.50 | 1.90 |

## STEEL AND BRASS RULES

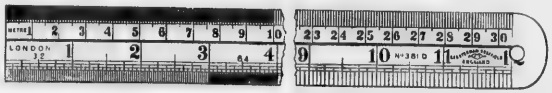
### Steel Rules

No. **57 1-2**—2 feet, four fold, 1-2 inch wide, marked both sides, 8ths and 16ths ..... Per dozen $ 6.50
No. **58** —2 feet, two fold, 3-4 inch wide, marked both sides, 8ths and 16ths ..... Per dozen 6.00

### Brass Rules

No. **1493**—2 feet, two fold, 5-8 inch wide, marked both sides, 8ths and 16ths ..... Per dozen $ 2.75
No. **1500**—2 feet, two fold, 3-4 inch wide, marked both sides, 8ths and 16ths ..... Per dozen 2.75
No. **1243**—2 feet, two fold, 3-4 inch wide, marked both sides, 8ths and 16ths ..... Per dozen 5.50

## Chesterman's Steel Rules




No. **300** —12 inch, two square ends, graduated 8ths, 16ths, 32nds, 64ths ..... Per dozen $ 6.25
No. **300D**— 6 inch, one round end, graduated 8ths, 16ths, 32nds, 64ths ..... Per dozen 4.00
No. **300D**—12 inch, one round end, graduated 8ths, 16ths, 32nds, 64ths ..... Per dozen 6.25
No. **310** — 4 inch, two square ends, graduated 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths ..... Per dozen 4.80
No. **310** — 6 inch, two square ends, graduated 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths ..... Per dozen 5.25
No. **310D**— 6 inch, one round end, graduated 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths ..... Per dozen 5.25
No. **310D**—12 inch, one round end, graduated 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths ..... Per dozen 7.50
No. **326D**—12 inch, one round end, graduated 8ths, 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 12ths, 24ths, 48ths ..... Per dozen 8.25
No. **327D**—12 inch, one round end, graduated 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 12ths, 24ths, 48ths, 96ths ..... Per dozen 9.50
No. **328D**—12 inch, one round end, graduated 8ths, 16ths, 32nds, 64ths ..... Per dozen 8.25

## "Rival" Steel Measuring Tapes

Nickel Plated, Brass Cases, Flush Handle, 3-8 Inch Tapes, marked one side only, in feet, inches and eighths.

No. **245**—75 feet, 3 3-4 inch, nickel-plated case ..... Each $ 6.50

## CHESTERMAN'S MEASURING TAPES

Folding Handle.

Nos. 34L and 1820.
Quarter size cut.

**Metallic Tapes. Folding Handles. Hard Leather Cases.**

No. **34L**—5-8 Inch Tape.

| Feet | **50** | **66** | **80** | **100** |
|---|---|---|---|---|
| Each | $2.70 | 3.00 | 3.75 | 4.35 |

No. **1820**—5-8 Inch Tape.

| Feet | **50** | **66** | **80** | **100** |
|---|---|---|---|---|
| Each | $2.20 | 2.50 | 3.25 | 3.75 |

Marked in inches on one side; links on other.

Flush Handle.

No. [illegible]
Quarter size cut.

**Metallic Tapes. Flush Handles. Hard Leather Cases**

No. **1821**—5-8 Inch Tape.

| Feet | **50** | **66** | **100** |
|---|---|---|---|
| Each | $2.50 | 3.00 | 4.25 |

Marked in inches on one side, links on other.

Flush Handle.

No. 1840.
Quarter size cut.

### Steel Measuring Tapes

**Hard Leather Cases. Flush Handles**

No. **1840**—3-8 Inch Steel Tape.

| Feet | **66** | **100** |
|---|---|---|
| Each | $7.50 | 10.50 |

Marked on one side.

No. 1811
Full size cut.

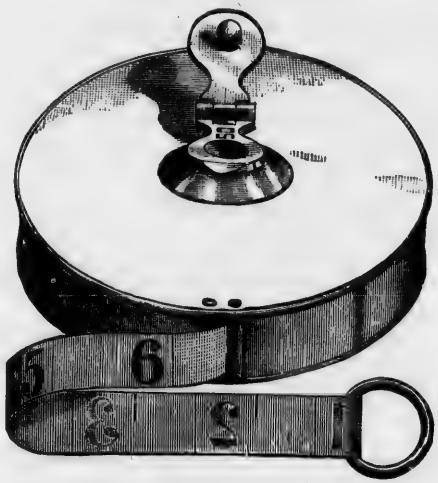
### Spring Pocket Measuring Tapes

**German Silver Case. Spring Stop**

No. **1811**—1-4 Inch Steel Tape.

| Feet | **3** | **5** |
|---|---|---|
| Per dozen | $12.50 | 16.00 |

## MEASURING TAPES



**Ass Skin Case, Brass Bound, Linen Tape**

| Feet | 25 | 50 | 66 |
|---|---|---|---|
| Per dozen | $3.60 | 4.65 | 5.10 |

**Patent Leather Case**

No. **41**—Linen Tape.

| Feet | 50 | 66 | 80 | 100 |
|---|---|---|---|---|
| Per dozen | $9.75 | 10.50 | 12.75 | 13.50 |

No. **14354.**

| Feet | 50 | 66 |
|---|---|---|
| Per dozen | $8.40 | 9.60 |

**Solid Leather Case**

Painted Linen Tape.

No. **13998**—66 feet.....Per dozen $14.25
No. **13998**—100 feet.....Per dozen 19.50

Half dozen in a box.

## Pocket Measuring Tapes

With Spring Stop.

Nos. 24 and 25—Nickel-plated Case.

No. **24** x 3 feet—Nickel-plated case, 1-4 inch Linen Tape.....Per dozen $ 6.75
No. **25** x 5 feet—Nickel-plated case, 1-4 inch Linen Tape.....Per dozen 7.25
No. **990** x 3 feet—Nickel-plated case, Linen Tape.....Per dozen 2.70
No. **106BN** x 3 feet—Nickel-plated case, 1-4 inch Steel Tape.....Per dozen 10.25
No. **299** x 6 feet—Rabone's German silver case, 1-4 inch Steel Tape.....Per dozen 15.00

## Tailors' Tapes

No. **14424**—60 inch Linen Tape.....Per dozen $0.40

## HICKORY BOARD RULES

No. 8—Board Rule.

No. **8**—3 feet, four tier, brazed head (Lufkins') ..... Per dozen $22.50
No. **8**—3 1-2 feet, four tier, brazed head (Lufkins') ..... Per dozen 25.00

### Canadian

No. **4**—3 feet, four tier, steel head, 1 1-4 inch wide, one side 12, 14, 16, 18; other side 9, 10, 11, 13 ..... Per dozen 16.50
No. **5**—3 feet, four tier, steel head, 1 1-4 inch wide, one side 14, 15, 16, 9; other side 12, 10, 11, 13..... Per dozen 16.50

## Spring Steel Board Rules

Nickel-plated and Lacquered.

No. **52**—3 feet, three tier, nickel-plated, lacquered and frosted, wood handle, leather slide ..... Per dozen $42.00

## Hickory Log Rules

No. **48 1-2**—Hickory, Octagon Walking Cane (Doyle's scale), cast brass head and tip..... Per dozen $12.00

### Doyle's Scale. Brass Head

No. **2**—36 inch, marked, one side 12, 14, 16; other side 11, 13, 15 ..... Per dozen $13.00
No. **1**—44 inch, marked, one side 12, 14, 16, 18; other side 20, 11, 13, 15 ..... Per dozen 17.50

### Scribners' Scale. Brass Head

No. **2**—36 inch, marked, one side 12, 14, 16; other side 9, 10, 13 ..... Per dozen $13.00
No. **1**—44 inch, marked, one side 12, 14, 16, 18; other side 20, 11, 13, 15..... Per dozen 17.50

In ordering be particular to state whether Doyle or Scribner scale is required.

### Combination Rule, marked one side Doyle's Scale, other side Scribners'

No. **1**—44 inch, marked, one side 12, 14, 16, 18; other side 9, 13, 15 ..... Per dozen 17.50

## Glaziers' Rules

No. **1136**—Boxwood, 48 inch, 1 3-4 x 3-16 inch, marked on both sides ..... Per dozen $12.75
No. **1136**—Boxwood, 60 inch, 1 3-4 x 3-16 inch, marked on both sides..... Per dozen 22.50

## CAST STEEL RIMER BITS

Square.

Howarth's Cast Steel Square Rimers, bright ..... Per dozen $2.10
No. **251**—German Cast Steel Square Rimers, bright ..... Per dozen 1.10

Half Round.

Howarth's Cast Steel Half Round Rimers, bright ..... Per dozen $2.10
No. **250**—German Cast Steel Half Round Rimers, bright ..... Per dozen 1.25

Six Sides.

Howarth's Cast Steel Six Sided Rimers, bright ..... Per dozen $3.00
No. **252**—German Cast Steel Six Sided Rimers, bright ..... Per dozen 1.25

## Cast Steel Screw Driver Bits

Howarth's Cast Steel Screw Driver Bits, bright ..... Per dozen $1.75
No. **238 1-2**—German Cast Steel Screw Driver Bits, bright ..... Per dozen 1.00

## Plug Cutters

| Inch | 1-2 | 9-16 | 5-8 |
|---|---|---|---|
| Per dozen | $7.25 | 7.25 | 7.25 |

All above one dozen in a box or package.

## CAST STEEL COUNTERSINK BITS

Snail.

Howarth's cast steel, bright, 3-8 and 1-2 inch ..... Per dozen $2.10
Howarth's cast steel, bright, 5-8 inch ..... Per dozen 2.55
No. **241**—German cast steel, bright, 1-2 inch ..... Per dozen 1.10

Rose.

Howarth's cast steel, bright, 1-2 inch ..... Per dozen $2.10
Howarth's cast steel, bright, 5-8 inch ..... Per dozen 2.80
No. **240**—German cast steel, bright, 5-8 inch ..... Per dozen 1.25

Flat.

Howarth's cast steel, bright, 1-2 inch ..... Per dozen $1.90
Howarth's cast steel, bright, 5-8 inch ..... Per dozen 2.10
No. **239**—German cast steel, bright, 5-8 inch ..... Per dozen 1.10

Wheeler's Patent.

No. **20**—With gauge (as shown in cut) ..... Per dozen $4.50

Half dozen in a box.

## Countersink Bits

Assorted, 5 to 9-32 ..... Per dozen $2.70

One dozen in a box.

## CAST STEEL SHELL AND SPOON BITS

| Inch | 1-8 | 3-16 | 1-4 | 5-16 | 3-8 |
|---|---|---|---|---|---|
| Per dozen | $1.00 | 1.00 | 1.00 | 2.00 | 2.10 |

## Cast Steel Gimlet Bits

No. **1004**—Straw Color.

| Inch | 3-32 | 4-32 | 5-32 | 6-32 | 8-32 | 10-32 |
|---|---|---|---|---|---|---|
| Per dozen | $0.75 | .75 | .75 | .75 | .75 | .95 |

No. **677**—Straw Color.

| Inch | 1-16 | 3-32 | 4-32 | 5-32 | 6-32 | 7-32 | 8-32 | 10-32 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $0.90 | .90 | .90 | .90 | .90 | .90 | .90 | 1.05 |

No. **1967**—Bright.

| Inch | 1-8 | 5-32 | 6-32 | 7-32 | 8-32 | 10-32 | 12-32 |
|---|---|---|---|---|---|---|---|
| Length, inch | 6 | 6 | 6 | 6 | 6 | 6 1-2 | 6 1-2 |
| Per dozen | $1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.05 | 2.25 |

## Cast Steel Centre Bits

Cut sizes marked.

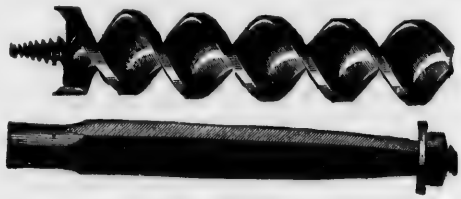
| Inch | 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $1.75 | 1.75 | 1.90 | 2.05 | 2.10 | 2.25 | 2.40 | 2.85 |
| Inch | 1 1-4 | 1 3-8 | 1 1-2 | 1 5-8 | 1 3-4 | 1 7-8 | 2 | |
| Per dozen | $3.15 | 3.45 | 3.75 | 4.20 | 4.65 | 5.25 | 6.00 | |

## Cast Steel Taper Bits

| Inch | 1-2 | 5-8 | 3-4 | 7-8 |
|---|---|---|---|---|
| Per dozen | $2.80 | 2.80 | 3.60 | 4.25 |

One dozen in a box or package.

## CAST STEEL CARPENTERS' AUGERS, WITH NUT.



| Inches | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|---|---|
| Per Dozen | $5.50 | 6.50 | 8.00 | 8.50 | 9.50 | 10.50 | 11.50 | 14.00 |
| Inches | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-4 | 3 1-2 |
| Per Dozen | $17.00 | 20.00 | 24.00 | 30.00 | 35.00 | 40.00 | 45.00 | 50.00 |

1-2 to 2 Inch, Half Dozen in a Box; Others, Quarter Dozen.

### Boring Machine Augers.

| Inches | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|
| Per Dozen | $12.00 | 14.00 | 16.00 | 18.00 | 22.00 |

Quarter Dozen in a Box.

### In Sets of 18 Quarters.

18 Quarters, One Auger Each, 1, 1 1-2 and 2 Inch.....Per Set, $4.50

One Set in a Package.

### Irwin's Patent.

| Inch | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|
| Per Dozen | 13.50 | 15.00 | 18.00 |

### Cast Steel Lip and Spur Auger Bits.

| Sizes in 16ths of Inch | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per Dozen | $3.50 | 3.00 | 3.00 | 3.25 | 3.25 | 3.50 | 4.00 | 4.50 |
| Sizes in 16ths of Inch | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 20 |
| Per Dozen | $5.00 | 5.50 | 6.00 | 6.50 | 7.25 | 8.00 | 10.00 | 11.00 |

3-16 to 10 16 Inch, One Dozen in Box; Others, Half Dozen.

### Revised List Adopted by American Manufacturers, September 5th, 1895

| Sizes in 16ths of Inch | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $3.50 | 3.50 | 3.50 | 3.75 | 3.75 | 4.00 | 4.25 | 4.50 | 5.00 | 5.50 |
| Sizes in 16ths of Inch | 13 | 14 | 15 | 16 | 17 | 18 | 20 | 22 | 24 | |
| Per Dozen | $6.00 | 6.50 | 7.25 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 14.00 | |

## CAST STEEL SHORT EYE AUGERS

| Sizes, inch | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 |
|---|---|---|---|---|---|---|---|
| Per dozen | $5.50 | 6.50 | 8.00 | 8.50 | 9.50 | 10.50 | 11.50 |
| Sizes, inch | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 3 | 3 1-2 | 4 |
| Per dozen | $14.00 | 17.00 | 20.00 | 24.00 | 30.00 | 40.00 | 50.00 | 70.00 |

## Jenning's Pattern Auger Bits

Extension Lip.

| Sizes in 1-16ths of inch | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $3.00 | 3.40 | 3.80 | 4.40 | 4.80 | 5.20 | 5.60 | 6.10 |
| Sizes in 1-16ths of inch | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
| Per dozen | $6.60 | 7.20 | 7.80 | 8.40 | 9.00 | 9.60 | 10.20 | 11.40 |

**Dowel Bits** (Same prices as Extension Lip Auger Bits.)

## Irwin Patent Auger Bits

Double Cutter.

| Sizes in 1-16ths of inch | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $3.00 | 3.40 | 3.80 | 4.40 | 4.80 | 5.60 | 6.60 | 7.80 | 9.00 |

In Sets.

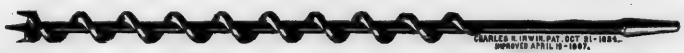
20 1-2 quarters, 1 bit each, 4, 5, 6, 7, 8, 10, 12, 14 and 16-16.....Per set $4.25
32 1-2 quarters, 1 bit each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16.....Per set 6.25

## Cast Steel Car Bits

12 Inch Twist.

| Sizes in 1-16ths of inch | 7 | 9 | 11 | 13 | 15 | 17 |
|---|---|---|---|---|---|---|
| Per dozen | $9.00 | 11.25 | 13.25 | 16.50 | 18.75 | 24.00 |

## Irwin Patent Car Bits




| Sizes in 1-16ths of inch | 7 | 9 | 11 | 13 | 15 |
|---|---|---|---|---|---|
| Per dozen | $8.80 | 10.40 | 12.20 | 14.40 | 16.80 |

## Cast Steel Ship Augers

Without Screw.

With Screw.

| Sizes in 1-16ths of inch | 4 to 7 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|
| Per dozen | $7.50 | 9.00 | 9.00 | 10.50 | 10.50 | 12.00 | 12.00 |
| Sizes in 1-16ths of inch | 15 | 16 | 17 | 18 | 18 | 18 | 20 |
| Per dozen | $13.50 | 13.50 | 15.00 | 15.00 | 16.50 | 16.50 | 16.50 |

When ordering state whether required with or without screw.

## CAST STEEL PUMP AUGERS

BEEBE'S Cast Steel Pump Augers. .....Per quarter inch $1.50

### Cast Steel Pump Reamers

BEEBE'S Cast Steel Pump Reamers.....Per quarter inch $0.75

### Auger Bits in Sets

Wood Boxes.

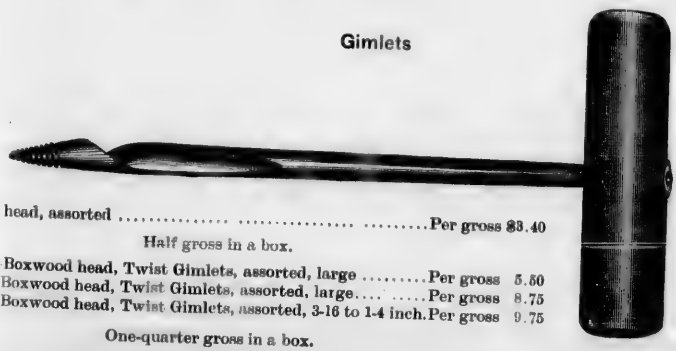
Set G—Six Bits, 1 each, 4, 6, 8, 10, 12, 16-16.....Per set $1.90
Set S—Nine Bits, 1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12-16.....Per set 2.10
Set X—Nine Bits, 1 each, 4, 5, 6, 7, 8, 10, 12, 14, 16-16.....Per set 2.25
33 1-2/4—Thirteen Bits, 1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16-16.....Per set 3.00

JENNING'S PATTERN.

Extension Lip.

33 1-2/4—Thirteen Bits, 1 each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16-16.....Per set $5.25

### Gimlets

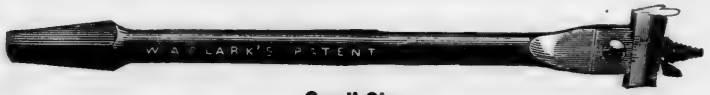


No. 1—Metal head, assorted .....Per gross $3.40

Half gross in a box.

No. 751 1-4—Boxwood head, Twist Gimlets, assorted, large .....Per gross 5.50
No. 763 —Boxwood head, Twist Gimlets, assorted, large.....Per gross 8.75
No. 763 —Boxwood head, Twist Gimlets, assorted, 3-16 to 1-4 inch. Per gross 9.75

One-quarter gross in a box.




**Small Size.**

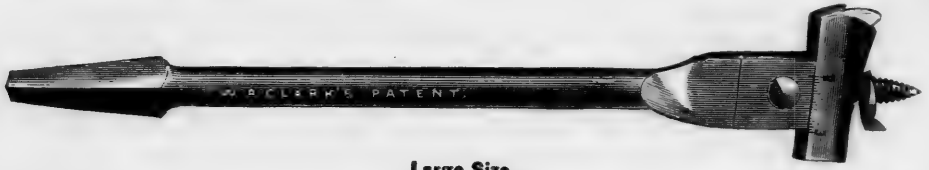
Cutting from 1-2 to 1 1-2 Inches.....Each, $1.90

PACKED ONE IN A BOX, HALF DOZEN IN A LARGE BOX.

**Extra Cutters for Clark's Small Bits.**

No. 1—Small Cutters for Small Bits, Cutting 1-2 to 7-8 Inch.....Per Dozen, $3.00

No. 2—Large Cutters for Small Bits, Cutting 7-8 to 1 1-2 Inches.....Per Dozen, 3.75




**Large Size.**

Cutting from 7-8 to 3 Inches.....Each, $2.80

PACKED ONE IN A BOX, HALF DOZEN IN A LARGE BOX.

**Extra Cutters for Clark's Large Bits.**

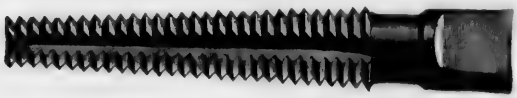
No. 3—Small Cutters for Large Bits, Cutting 7-8 to 1 3-4 Inches.....Per Dozen, $5 25

No. 4—Large Cutters for Large Bits, Cutting 1 3-4 to 3 Inches.....Per Dozen, 6 00

No. 5—Extra Large Cutters for Large Bits, Cutting 3 to 4 Inches.....Per Dozen, 12.00

No. 4—Large Cutters for Large Bits, Cutting 1 3-4 to 3 Inches.....Per Dozen, 6 00
No. 5—Extra Large Cutters for Large Bits, Cutting 3 to 4 Inches.....Per Dozen, 12 00

## BLACKSMITHS' TAPER TAPS.



**For Stocks and Dies.**

**Right Hand will be Sent Unless Otherwise Specified.**

| | | | | | |
|---|---|---|---|---|---|
| Diameter, Inches..... | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 |
| Threads to the Inch..... | 18, 20, 24 | 16, 18, 20 | 14, 16, 18 | 14, 16, 18 | 12, 14, 16 |
| Each ..... | [illegible] | .30 | .35 | .40 | .40 |
| Diameter, Inches..... | 5-8 | 3-4 | 7-8 | 1 | |
| Threads to the Inch..... | 10, 11, 12 | 10, 12 | 9, 10 | 8 | |
| Each ..... | $0.50 | .65 | .90 | 1.25 | |

## Bit Stock Drills, For Metal or Wood.

Made from finest Steel and tempered to drill Steel, Iron and Wood. They are not injured by contact with Screws or Nails.

| | | | | | | |
|---|---|---|---|---|---|---|
| Diameter, Inches..... | 1-16 | 3-32 | 1-8 | 5-32 | 3-16 | 7-32 |
| Per Dozen..... | $1.50 | 1.65 | 2.10 | 2.60 | 3.10 | 3.60 |
| Diameter, Inches..... | 1-4 | 9-32 | 5-16 | 11-32 | 3-8 | 13-32 |
| Per Dozen..... | $4.10 | 4.70 | 5.40 | 6.30 | 7.20 | 8.00 |
| Diameter, Inches..... | 7-16 | 15-32 | 1-2 | 5-8 | 3-4 | |
| Per Dozen..... | $8.80 | 9.60 | 10.30 | 16.15 | 19.75 | |

## Blacksmiths' Drills for Drill Presses.

**Shanks 2 1-2 Inches long, by 1-2 Inch Diameter.**

| | | | | | |
|---|---|---|---|---|---|
| Diameter, Inches..... | 1-8 | 3-16 | 1-4 | 5-16 | 3-8 |
| Length, Inches..... | 5 1-8 | 5 5-8 | 6 | 6 | 6 |
| Each..... | $0.45 | .50 | .60 | .70 | .75 |
| Diameter, Inches..... | 7-16 | 1-2 | 9-16 | 5-8 | 3-4 |
| Length, Inches..... | 6 | 6 | 6 | 6 | 6 |
| Each..... | $0.80 | .85 | .90 | 1.05 | 1.25 |

PACKED AS WANTED.

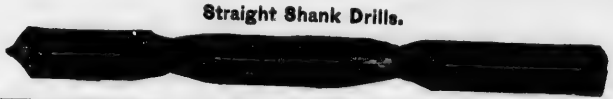
## TAPER SHANK DRILLS.

Style of Steel Sockets, Nos. 1, 2, 3, 4.

| Diam., Inches. | Price, Each. | Length, Inches. | Socket, Each. | Diam., Inches. | Price, Each. | Length, Inches. | Socket, Each. | Diam., Inches. | Price, Each. | Length, Inches. | Socket, Each. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-4 | $0.60 | 6½ | No. 1, $1.20. | 27-32 | $2.30 | 10¼ | No. 2, $1.80. | 1 7-16 | $5.60 | 14¾ | No. 4, $4.00. |
| 9-32 | .65 | 6¾ | | 7-8 | 2.45 | 10½ | | 1 15-32 | 5.80 | 14⅞ | |
| 5-16 | .70 | 6⅞ | | 29-32 | 2.60 | 10⅝ | | 1 1-2 | 6.00 | 15 | |
| 11-32 | .75 | 6½ | | 15-16 | 2.75 | 10¾ | No. 3, $2.50. | 1 17-32 | 6.30 | 15⅛ | |
| 3-8 | .80 | 6¾ | | 31-32 | 2.90 | 10⅞ | | 1 9-16 | 6.60 | 15¼ | |
| 13-32 | .85 | 7 | | 1 | 3.00 | 11 | | 1 19-32 | 6.90 | 15⅜ | |
| 7-16 | .90 | 7¼ | | 1 1-32 | 3.20 | 11⅛ | | 1 5-8 | 7.20 | 15⅝ | |
| 15-32 | .95 | 7½ | | 1 1-16 | 3.40 | 11¼ | | 1 21-32 | 7.50 | 15¾ | |
| 1-2 | 1.00 | 7¾ | | 1 3-32 | 3.60 | 11½ | | 1 11-16 | 7.80 | 15¾ | |
| 17-32 | 1.10 | 8 | | 1 1-8 | 3.80 | 11¾ | | 1 23-32 | 8.10 | 15⅞ | |
| 9-16 | 1.20 | 8¼ | | 1 5-32 | 4.00 | 11⅞ | | 1 3-4 | 8.40 | 16 | |
| 19-32 | 1.30 | 8½ | | 1 3-16 | 4.20 | 12 | | 1 25-32 | 8.60 | 16⅛ | |
| 5-8 | 1.40 | 8¾ | | 1 7-32 | 4.40 | 12⅛ | | 1 13-16 | 8.80 | 16¼ | |
| 21-32 | 1.50 | 9 | | 1 1-4 | 4.50 | 12¼ | | 1 27-32 | 9.00 | 16⅜ | |
| 11-16 | 1.60 | 9¼ | No. 2, $1.80. | 1 9-32 | 4.65 | 14⅛ | No. 4, $4.00. | 1 7-8 | 9.20 | 16½ | |
| 23-32 | 1.70 | 9½ | | 1 5-16 | 4.80 | 14¼ | | 1 29-32 | 9.35 | 16½ | |
| 3-4 | 1.85 | 9¾ | | 1 11-32 | 5.00 | 14⅜ | | 1 15-16 | 9.50 | 16½ | |
| 25-32 | 2.00 | 9⅞ | | 1 3-8 | 5.20 | 14½ | | 1 31-32 | 9.65 | 16½ | |
| 13-16 | 2.15 | 10 | | 1 13-32 | 5.40 | 14⅝ | | 2 | 9.80 | 16½ | |

STRAIGHT SHANK DRILLS SAME LENGTH AS TAPER SHANK AT TAPER SHANK PRICES.

## Straight Shank Drills.



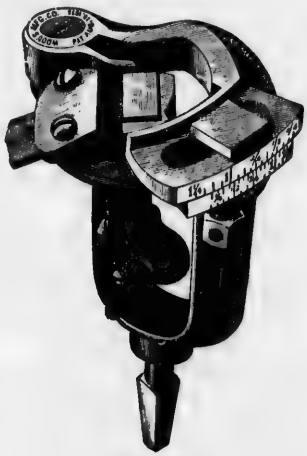
| Diam., Inches. | Length, Inches. | Price, Each. | Price, Per Dozen. | Diam., Inches. | Length, Inches. | Price, Each. | Price, Per Dozen. | Diam., Inches. | Length, Inches. | Price, Each. | Price, Per Dozen. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-16 | 2⅛ | $0.09 | $1.00 | 7-32 | 3¼ | $0.23 | $2.65 | 3-8 | 5 | $0.48 | $5.40 |
| 5-64 | 2⅜ | .10 | 1.10 | 15-64 | 3⅜ | .26 | 2.90 | 25-64 | 5⅛ | .50 | 5.70 |
| 3-32 | 2¾ | .11 | 1.20 | 1-4 | 4 | .28 | 3.15 | 13-32 | 5¼ | .53 | 6.00 |
| 7-64 | 2⅞ | .12 | 1.30 | 17-64 | 4⅛ | .30 | 3.40 | 27-64 | 5⅜ | .55 | 6.40 |
| 1-8 | 3 | .13 | 1.45 | 9-32 | 4¼ | .32 | 3.65 | 7-16 | 5½ | .59 | 6.80 |
| 9-64 | 3⅛ | .15 | 1.60 | 19-64 | 4⅜ | .35 | 3.90 | 29-64 | 5⅝ | .63 | 7.20 |
| 5-32 | 3¼ | .16 | 1.80 | 5-16 | 4½ | .37 | 4.20 | 15-32 | 5¾ | .65 | 7.50 |
| 11-64 | 3⅜ | .18 | 2.00 | 21-64 | 4⅝ | .40 | 4.50 | 31-64 | 5⅞ | .67 | 7.75 |
| 3-16 | 3½ | .20 | 2.20 | 11-32 | 4¾ | .42 | 4.80 | 1-2 | 6 | .70 | 8.00 |
| 13-64 | 3⅝ | .21 | 2.40 | 23-64 | 4⅞ | .45 | 5.10 | ..... | ..... | ..... | ..... |

## Stubs' Steel Wire Gauge Drills.

| Nos. by Gauge. | Per Dozen. | Each. | Length, Inches. | Nos. by Gauge. | Per Dozen. | Each. | Length, Inches. |
|---|---|---|---|---|---|---|---|
| 1 to 5 | $2.65 | $0.22 | 4 | 31 to 35 | $1.40 | $0.14 | 2 5-8 |
| 6 to 10 | 2.25 | .21 | 3 11-16 | 36 to 40 | 1.25 | .12 | 2 7-16 |
| 11 to 15 | 2.10 | .20 | 3 1-2 | 41 to 45 | 1.10 | .10 | 2 1-4 |
| 16 to 20 | 1.95 | .19 | 3 1-4 | 46 to 60 | .95 | .09 | 2 1-16 to 1 3-4 |
| 21 to 25 | 1.75 | .17 | 3 1-16 | 61 to 70 | .90 | .08 | 1 1-2 |
| 26 to 30 | 1.55 | .15 | 2 13-16 | 71 to 80 | 1.00 | .09 | 1 5-16 to 3-4 |

## HOLLOW AUGERS

New Pattern.



Wood's Patent.

NEW PATTERN—WITH BITS.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|
| Per dozen | $18.00 | 18.00 | 21.00 | 21.00 | 24.00 | 24.00 |

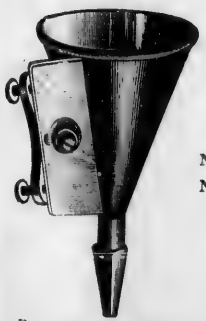
One-sixth dozen in a box.

WOOD'S PATENT ADJUSTABLE.

Wood's, cuts 1-4 to 1 1-4 inch ..... Each $5.50

One in a box.

## Spoke Trimmers



Bonney's Patent, No. 2.

BONNEY'S SPOKE TRIMMERS.

No. 1—Bonney's ..... Per dozen $6.75

No. 2—Bonney's, with adjusting set screws ..... Per dozen 9.50

## WOOD SPOKESHAVES

### Kent's Beechwood Spokeshaves

| Inch | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-2 |
|---|---|---|---|---|---|---|
| Per dozen | $3.25 | 3.25 | 3.25 | 3.50 | 3.75 | 4.50 |

### Kent's Beechwood Plated Spokeshaves

| Inch | 2 1-4 | 2 1-2 | 3 |
|---|---|---|---|
| Per dozen | $4.50 | 4.50 | 5.00 |

### Kent's Boxwood Spokeshaves

| Inch | 2 | 2 1-4 | 2 1-2 | 3 |
|---|---|---|---|---|
| Per dozen | $5.00 | 5.00 | 5.00 | 5.50 |

Half dozen in a box.

## Iron Spokeshaves

No. 11.

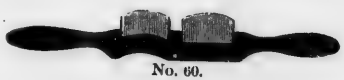
**No. 11**
Straight handle, 9 inch, 1 3-4 inch cutter.
Per dozen, $1.95.

No. 12.

**No. No. 12**
Straight handle, 9 inch, 1 3-4 inch cutter.
Per dozen, $3.25.

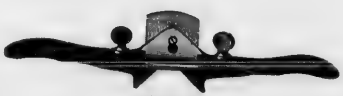
No. 13.

**No. 13**
Double cutter, concave and straight, 10 inch
Per dozen, $3.60.



No. 60.

**No. 60**
Double cutter, concave and straight, 10 inch.
1 1-2 inch cutters.
Per dozen, $4.25.



No. 65.

**No. 65**
Adjustable chamfer, raised handle, 10 inch.
1 1-2 inch cutter.
Per dozen, $6.50.
Half dozen in a box.

Four Pole.
Quarter size cu

## IMPROVED TRAMMEL POINTS

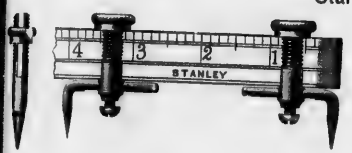
Bronze Metal, Steel Points.

| Nos. | 1 | 2 |
|---|---|---|
| Per pair | $1.15 | 1.35 |

The steel points are removable and the pencil socket, which accompanies each pair, can be substituted when desired.

One pair in a box.

## Stanley's Rule Trammel Points




A complete set consists of two brass trammel heads, with movable steel points, and one head with a pencil socket.

No. **99**.....Per set $0.85

Three sets in a box.

## Chesterman's Steel Land Chains

Four Pole.
Quarter size cut.

Made of best cast steel wire, hardened, tempered and black enamelled, with three oval rings. Brass swivel handles and tallies. Divided into links and tallied at every ten links.

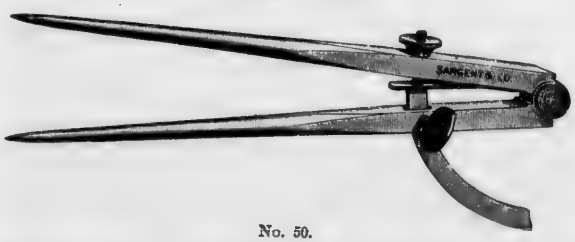
No. **61**—Two pole.....Each $2.25

No. **61**—Four pole.....Each 3.50

### Land Chain Arrows

15 inches long, in sets of ten.....Per set $0.50

## Cast Steel Dividers




No. 50.

| Inch | 5 | 6 | 7 | 8 | 10 | 12 | 15 |
|---|---|---|---|---|---|---|---|
| Per dozen | $3.25 | 3.50 | 3.70 | 4.50 | 5.75 | 6.75 | 10.00 |

5 to 8 inch, one dozen in a box; 9 inch, and larger, half dozen.

## SPRING DIVIDERS

No. **2095**—CAST STEEL.

Polished.

| Inch | 5 | 6 |
|---|---|---|
| Per dozen | $4.80 | 5.10 |

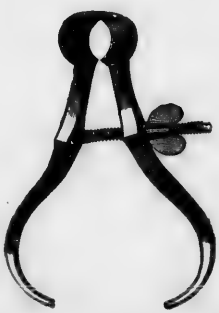
Half dozen in a box.

## No. 40—Cast Steel Compasses

| Inch | 5 | 6 | 7 |
|---|---|---|---|
| Per dozen | $2.25 | 2.40 | 2.70 |

One dozen in a box.

## Spring Calipers

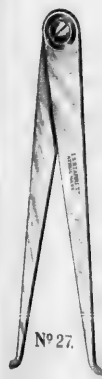


No. **2117**—CAST STEEL.

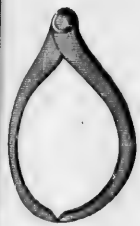
Polished.

| Inch | 4 | 5 | 6 | 7 |
|---|---|---|---|---|
| Per dozen | $5.10 | 5.40 | 5.75 | 6.75 |

Half dozen in a box.



## FIRM JOINT CALIPERS



No. **2020** B Outside.

| Inch | 3 | 4 1-2 | 6 | 8 | 10 |
|---|---|---|---|---|---|
| Per dozen | $2.25 | 2.40 | 3.25 | 5.00 | 8.00 |

## Yankee Outside and Inside Calipers

No. 73.

**No. 73** represents a new Yankee Inside Transfer Caliper with either spring or solid nut. The bow is stiff, making the Caliper reliable. After calipering inside of chambered cavity by springing in the legs they may be withdrawn, and as they spring back will show the exact size calipered.

Sizes are made 4, 5, 6, and 8 inch. Price same as Outside.

PRICE LIST.

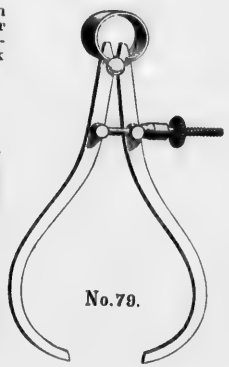
Nos. **73** and **79**

| | | |
|---|---|---|
| 2 1-2 inch, with solid nut | Each | $0.90 |
| 3 inch, with solid nut | Each | .95 |
| 4 inch, with solid nut | Each | 1.00 |
| 5 inch, with solid nut | Each | 1.05 |
| 6 inch, with solid nut | Each | 1.15 |
| 8 inch, with solid nut | Each | 1.35 |

Nos. **73** and **79**

| | | |
|---|---|---|
| 2 1-2 inch, with spring nut | Each | $1.20 |
| 3 inch, with spring nut | Each | 1.30 |
| 4 inch, with spring nut | Each | 1.35 |
| 5 inch, with spring nut | Each | 1.40 |
| 6 inch, with spring nut | Each | 1.50 |
| 8 inch, with spring nut | Each | 1.70 |

Sent with solid nut unless otherwise ordered.



No. 79.

## Starrett's Improved Firm-Joint Calipers

No. 27.

Nos. **26** and **27**

The improvement in these Calipers consists in the construction of the joint, which is so made as to be drawn together by means of a screw forcing a washer on to a squared end of the main rivet which extends through the legs, thus clamping them together between bearings so shaped as to insure a smooth and uniform friction, of more or less tension, to suit the user.

The quality of these Calipers is incomparably superior to that of any old style riveted-joint Caliper on the market.

| Inch | 3 | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| Each | $0.55 | .70 | .75 | .90 | 1.10 | 1.20 |

The above sizes refer to the length of the Calipers. Their capacity is about 1-3 greater than the size given.

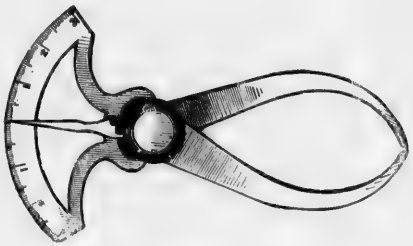
No. 26.

## INSIDE CALIPERS

No. **262**

| Inch | 3 | 4 | 5 | 6 |
|---|---|---|---|---|
| Per dozen | $2.10 | 2.25 | 2.65 | 3.00 |

Half dozen in a box.



## Self-Registering Calipers

No. **165**—Both Inside and Outside.

Nickel-plated, with set screw.

| Inch | 4 | 5 | 6 |
|---|---|---|---|
| Per dozen | $13.00 | 15.00 | 17.00 |

No. **1566** x 5 inch—Polished steel ..... Per dozen $20 25

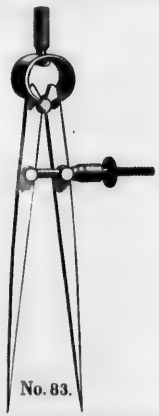
Half dozen in a box.

## Starrett's Improved Extension Divider

This is a well-made, nicely-finished Divider, with auxiliary caliper legs, which, together with a common pencil, form convenient combinations. The patent locking nut between the arms, against which a spiral spring acts, is a valuable feature. After the fine adjustment is made, the nut may be turned back, locking spring and arms firmly, thus remedying the weak point which renders the common wing divider only as stiff as the adjusting spring. A full-threaded nut on the stud, through which the quadrant passes, is a more durable fastener than two or three threads tapped in the arm to hold the wing of the old style. The head and arms of this tool are made from best malleable iron, the rest of steel. The points are hardened and warranted first-class. The smallest size is 7 inches; by adjustment of points becomes 9 inches, and will scribe a 22 inch circle; will caliper 11 inches outside and 13 inches inside. The second size is 9 inches; by adjustment of points becomes 12 inches, and will scribe a thirty inch circle, and caliper 14 inches outside and 16 inches inside. The dividers will be sold without caliper legs *when so ordered.*

| | |
|---|---|
| **7** inch, with Divider Legs only | Each $1.90 |
| **9** inch, with Divider Legs only | Each 2.25 |
| **7** inch, complete | Each 3.40 |
| **9** inch, complete | Each 3.75 |

## Yankee Spring Dividers




No. **84**—Without thumb attachment.

| | |
|---|---|
| 2½ inch | Each $0 90 |
| 3 inch | Each 0.95 |
| 4 inch | Each 1.00 |
| 5 inch | Each 1.10 |
| 6 inch | Each 1.15 |
| 8 inch | Each 1.50 |

No. **83**—With thumb attachment

| | |
|---|---|
| 2½ inch, with thumb attachment | $1.10 |
| 3 inch, with thumb attachment | 1.15 |
| 4 inch, with thumb attachment | 1.20 |
| 5 inch, with thumb attachment | 1.30 |
| 6 inch, with thumb attachment | 1.35 |
| 8 inch, with thumb attachment | 1.75 |

The 4, 5, 6 and 8 inch are furnished with spring nut when ordered, at an extra cost of 35 cents each.

## DOUBLE STEEL SQUARE

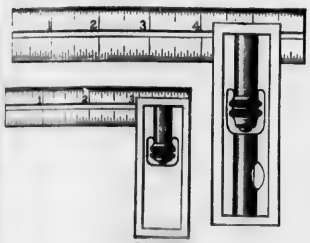
No. 14.

This cut represents a double solid steel square, with patent 2 1-2 inch sliding scale, and is especially designed for fine tool-makers. The rule being narrow and instantly adjusted to any length, however short, allows it to be used where it would be impossible to use any square with a fixed blade.

Fitted to go with this stock there is a bevel blade and a very narrow straight one, about 1-8 inch wide, highly prized by die-makers for squaring small holes, both of which blades will be sent with the square unless otherwise ordered.

| | |
|---|---|
| Price of Square | $ 3.00 |
| With either bevel or narrow blade | 3.45 |
| Complete | 3.90 |

## Starrett's Patent Double Square



No. 13.

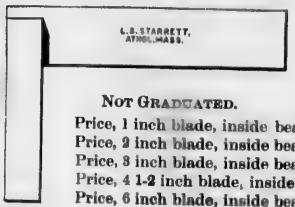
This Square is conceded the most practical one for machinists and fine tool-makers' use ever offered. The sliding scale, shortened or extended full length, makes it more valuable than a full set of the common kind, while with the extra bevel blade we have both the hexagon and octagon angles.

The seat against which the blade is clamped being convex, should corners of the blade get injured, the accuracy of the square is not affected.

| | | | |
|---|---|---|---|
| Price, 4 inch | $1.90 | With both blades | $2.50 |
| Price, 6 inch | 3.00 | With both blades | 3.75 |
| Price, 9 inch | 4.50 | | |
| Price, 12 inch | 6.00 | | |

Both blades with 4 and 6 inch always sent unless otherwise ordered.

## Hardened Edge Solid Steel Square

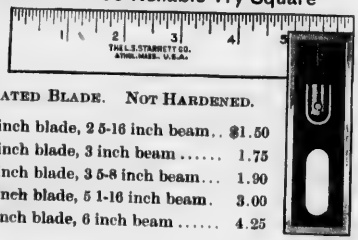



No. 20.

NOT GRADUATED.

| | |
|---|---|
| Price, 1 inch blade, inside beam | $ 2.25 |
| Price, 2 inch blade, inside beam | 3.00 |
| Price, 3 inch blade, inside beam | 3.75 |
| Price, 4 1-2 inch blade, inside beam | 5.25 |
| Price, 6 inch blade, inside beam | 6.75 |

## Starrett's No. 60 Reliable Try Square




No. 60.

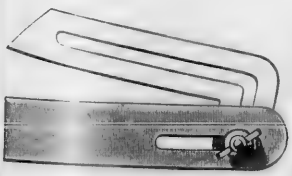
GRADUATED BLADE. NOT HARDENED.

| | |
|---|---|
| Price, 4 inch blade, 2 5-16 inch beam | $1.50 |
| Price, 5 inch blade, 3 inch beam | 1.75 |
| Price, 6 inch blade, 3 5-8 inch beam | 1.90 |
| Price, 9 inch blade, 5 1-16 inch beam | 3.00 |
| Price, 12 inch blade, 6 inch beam | 4.25 |

## Smallwood's Engineers' Steel Squares

| Inch | 2 | 3 | 4 | 6 |
|---|---|---|---|---|
| No. 602—Not graduated, Per dozen | $4.75 | 5.50 | 6.00 | 7.50 |
| Inch | 2 | 3 | 4 | |
| No. 603—Graduated on one side, Per dozen | $5.25 | 6.00 | 6.75 | |

## Universal Bevel



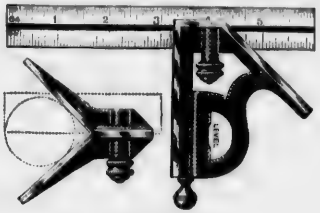
No. 15.

Improved features. The set-off in the blade increases its capacity and usefulness for bevel gear work, etc., so that any angle, however slight, may be obtained.

Another valuable feature is, one edge of the case being solid, forms a rest directly under the blade, where thin templets may be placed and accurately fitted.

No. 15—Universal Bevel ..... Each $2.25

## STARRETT'S PATENT COMBINATION SQUARE

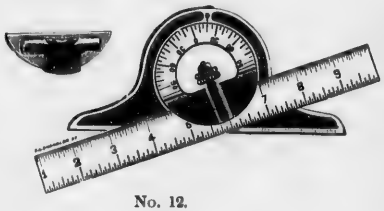


No. 11.

Every tool warranted accurate. With the adjustable scale this forms one of the most convenient and useful tools ever devised for mechanics' use. One is a complete substitute for a whole set of common try squares, and is one of the best gauges ever made for transferring exact measurements or laying out work. It is also convenient for a depth gauge, or to square in a mortise. For a mitre it is perfect, while with the auxiliary centre head it forms a centering square, both inside and outside, which for convenience and accuracy has no equal.

4 inch, without centre head or level ..... Each $1.50
6 inch, with centre head and level ..... Each 3.00
9 inch, with centre head and level ..... Each 3.75
12 inch, with centre head and level ..... Each 4.50

## Improved Bevel Protractor



No. 12.

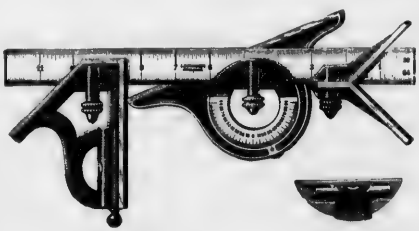
This is the best bevel protractor for the price yet invented. An adjustable rule, held firmly at any point by a thumb nut, passes through a revolving turret, which is nicely graduated in degrees from 0 to 90, both right and left, and can be accurately adjusted to show any angle.

A valuable auxiliary is now made in the shape of a small level to be attached in place of the rule removed, forming an adjustable level to show any degree, thus greatly increasing the usefulness of the instrument.

This level will now be sent with every Protractor without extra charge. It will fit the Protractors formerly made, and will be sold alone for 75 cents each.

No. **12**—5 inch head, 9 inch blade ..... Each $3.75
No. **12**—7 inch head, 12 inch blade ..... Each 4.50

## Starrett's Combination Set

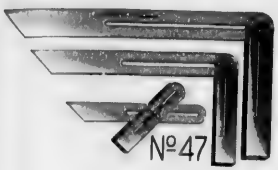


No. 9.

This cut shows Combination Square (No. 11) with centre head and 7 inch Bevel Protractor Head (No. 12), all on the No. 11 Square Scale. Each head may be instantly removed, or replaced and used interchangeably with the scale, thus forming the most useful combination set of tools ever devised for mechanics' use.

No. **9**—9 inch set, complete ..... Each $6.75
No. **9**—12 inch set, complete ..... Each 7.50
No. **9**—18 inch set, complete ..... Each 8.75

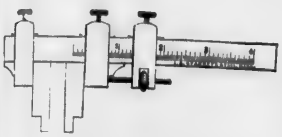
## IMPROVED BEVEL




The advantages of this bevel, over any other tool of this kind made, consist in its having not only the blade slotted but the stock as well, through and through, thus admitting adjustments that cannot be obtained with a common bevel. The clamping screw head, which the cut does not show, is let into a rabbet flush with the surface of the stock, which will lie flat on the work.

| Inch | 6 | 9 | 12 |
|---|---|---|---|
| Each | $1.90 | 2.25 | 2.75 |

## Caliper Square



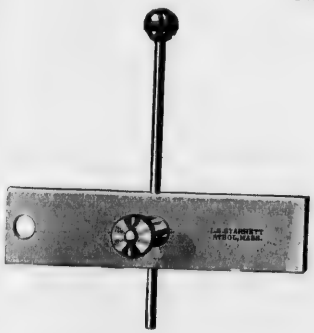
No. 25. Cut half size.

Cut represents an improved tool for both outside and inside measure. The beam is nicely graduated, 64ths on one side, 100ths on the other.

For close work this is a reliable tool.

| | |
|---|---|
| 3 inch, without adjusting screw | Each $4.50 |
| 4 inch, without adjusting screw | Each 5.00 |
| 3 inch, with adjusting screw | Each 5.25 |
| 4 inch, with adjusting screw | Each 6.00 |
| With hardened jaws, extra | 2.25 |

## Starrett's Depth Gauge



No. 45.

This Gauge is held to a groove by a friction spring inside the nut while adjusting, and may be used close to the end, as well as in the middle of the straight edge.

By loosening the nut, the Gauge may be neatly folded.

| | |
|---|---|
| With 4 inch stock | $1.15 |
| With 6 inch stock | 1.75 |
| With 10 inch stock | 2.05 |

No. 46.

Has in place of the round wire to slide in the groove, as shown with No. 45, a 4-inch scale, 3-16 inch wide, graduated in either 32nds and 64ths, or 50ths and 100ths, indicating exact measurements, and may be used separately from the Gauge.

| | |
|---|---|
| With 4 inch stock | $1.90 |
| With 6 inch stock | 2.25 |

## Starrett's Scratch Gauge

No. 29.

This Gauge is made of steel, with hardened cast steel head. Through it is a split bushing, against which the set screw acts to hold it firm. The beam is graduated in either 50ths or 64ths of an inch. The marker is a thin square piece of steel, nicely tempered, which is firmly held against the end of beam, presenting four marking points.

| | Graduated. | Not Graduated. |
|---|---|---|
| 5 inch (beam 15-64) Each | $1.50 | $1.00 |
| 6 inch (beam 5-16) Each | 1.90 | 1.15 |

Unless otherwise ordered we will send these graduated in 64ths.

Two extra cutters sent with each Gauge. They should last for years.

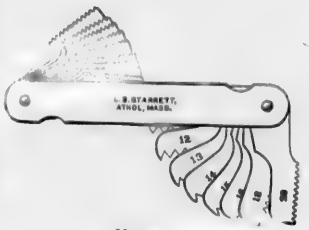
## IMPROVED SCREW PITCH GAUGE

This Gauge has twenty pitches, viz.: 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40.

This is the *only* gauge made that can be used inside a nut as well as on the outside of a screw or bolt.

Notwithstanding its double use and value, it is sold for the same price as those of old style having less pitches.

Each.....$1.50




No. 4

## CENTRE GAUGE

No. 32.

Not tempered.....Each $0.38
Spring tempered.....Each .60

Sent not tempered, unless otherwise ordered.

## Tool-Makers' Universal Surface Gauge

No. 56.

This little tool fills the bill for a gauge adapted for light work. It is made on the principle of the new No. 55. The base is steel, nicely finished and *case hardened*, with depressions milled in the sides for the thumb and finger to grasp. The top side of it is slotted and the rocking bracket is pivoted in the same. There is a stiff spring under one end of the bracket and a knurled adjusting screw in the other; the spindle jointed to this may be set and rigidly held in any position from vertical to horizontal, and the scriber placed in position to be used below its base for Depth Gauge, or (with bent end down) a Scribing Gauge. It weighs but 11 ounces and is 5 inches high, and, folding the spindle (which is 4 inches long) horizontally over the base, it may be packed in 1⅜ x 1½ x 4 inches space in the tool chest. A more convenient or pleasing tool of the kind does not exist.

No. **56**—Tool-Makers' Surface Gauge.....Each $4.50

## Starrett's Universal Surface Gauge

No. 55.

This Gauge has the following improved features, viz.: a joint at the base which allows the spindle and scriber to be moved back and forth and placed in any position from upright to horizontal to reach over, back of and under work that could not be got at with old style gauges, while by inclining the spindle over the work its scope for long reach is increased.

The fine adjustment is nicely obtained by the knurled screw in the rocking bracket at the base acting against a stiff spring under the opposite end, while the joint sleeve with the spindle may be set and rigidly held in any position desired. Two pins through the base, frictionally held, may be pushed down by slight pressure to form a bearing to work from the edge of, or in the slots of the planer bed for lining up work, while the weight of the gauge against the bed with a little pressure is sufficient to push them [illegible] leaves around these pins, against which a pointed spring plunger presses, insure their being held in place either up or down. Concave depressions milled in the sides of the base make it convenient for thumb and finger to grasp.

This Gauge is furnished with improved sleeve which rigidly holds the scriber.

The Gauge is nicely made in two sizes, with spindles of extra length to order.

No. **1**—9 inch.....Each $3.
No. **2**—12 inch.....Each 4.50
No. **3**—With 2 spindles 12 and 18 inch.....Each 5.25

## STARRETT'S MICROMETER SURFACE GAUGE

No. 58.

This Gauge has a turned and polished base, a Micrometer adjusting nut reading 1,000, and a six-inch extension for the spindle. By means of springs and taper fitting parts of the sleeve (not shown in cut), the scriber is held by slight friction in any position while adjustments are made, and firmly held by a turn of the nut. A knurled cam on the base releases and locks the spindle for adjusting.

PRICES.

| | |
|---|---|
| 4 inch, without extension | $3.75 |
| 6 inch, without extension | 5.25 |
| 12 inch, without extension | 6.00 |

In ordering, give SIZE wanted.

## STARRETT'S ADJUSTABLE JAW CUT-NIPPER

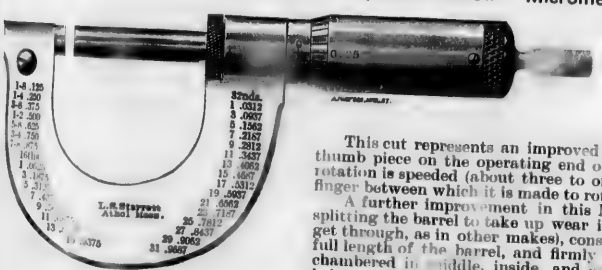
No. 1.

The head and handles are of drop forged steel, finely finished. All the parts are case hardened, except the jaws. These are made from a high grade of steel, nicely tempered. Those warranted to cut music wire have their cutting edges ground to a short steep bevel, while those for *common use* have their cutting edges ground more acute, work easier, and are preferable for cutting softer wire, or for general use.

In ordering, please designate the style wanted, as below.

| | |
|---|---|
| 6 inch, M (for music wire) | $3.40 |
| 6 inch, C (for common use) | 3.40 |
| 8 inch, M (for music wire) | 4.50 |
| 8 inch, C (for common use) | 4.50 |

## Starrett's "Speeded Screw" Micrometer



No. 3.
Cut full size.

This cut represents an improved Micrometer with a small knurled thumb piece on the operating end of the spindle, by means of which its rotation is speeded (about three to one), by the action of the thumb and finger between which it is made to rotate.

A further improvement in this Micrometer (saving the necessity of splitting the barrel to take up wear in the nut) with openings for dirt to get through, as in other makes), consists in a bushing running through full length of the barrel, and firmly secured therein, said bushing being chambered in middle, inside, and each end tapered outside, both ends being split in three sections nearly half the length. One end is threaded inside for the screw, the other smooth to fit spindle. A knurled nut, threaded on the outside, is screwed to each end of the barrel, telescoping the ends of bushing, one to take up wear and cause a close fit on the spindle, the other a close fit between the screw and nut, the other to contract the bushing to a close fit on the spindle, or by a slight turn of the nut lock firm, thus making a solid gauge when desired, which for reliability has no equal.

No. 3—Screw Micrometer, with morocco case ..... Each $9.75

## HIGH SPEED INDICATORS.

No. 104.

**Starrett's.**

This Indicator may be run at highest speed required without heating, and this on account of our frictionless bearing against which the inner end of the spindle revolves (for which patent is pending).

The working parts of this instrument are encased, and the dial plate has two rows of figures, reading right and left, as the shaft may run.

The inner plate is frictionally clamped to the revolving gear by a checked wafer head screw. By a pressure and twist with the thumb the plate is loosened when the O mark may be instantly moved to agree with the starting point, thus saving time revolving the spindle to bring it there.

It is furnished with or without split cap, but to fit a pointed shaft the split cap is needed.

**No. 104.**

| | |
|---|---|
| With split cap | $1 90 |
| Without split cap | 1.55 |
| With morocco case, extra | .75 |

We supply the Indicators with a spindle 7 1-2 inches long for use on Dairy Machines, etc., for 75 cents extra.

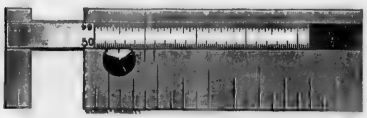
The Indicator with split cap in pasteboard box will be sent unless otherwise ordered.

No. **50**—Speed Indicators, plain cap, plated ..... Per dozen $9.00

## Nickel-Plated Pocket Levels

| | |
|---|---|
| No. **11**—2 1-2 inch nickel plated | Each $0 90 |
| No. **12**—3 1-2 inch, nickel plated | Each 1 15 |

## Lock Slide Caliper Rules



**Outside.**

The slide in this rule is graduated in 50ths and 64ths and verniers to 100ths, is quickly and accurately adjusted, and when adjusted can be firmly locked in position by a thumb nut on reverse side.

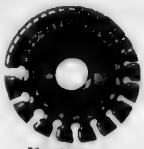
| | |
|---|---|
| 3 inch | Each $3.00 |
| 4 inch | Each 3.60 |

**Inside.**

| | |
|---|---|
| 3 inch | Each $3.00 |
| 4 inch | Each 3.00 |

## WIRE GAUGES

No. C848.



No. C611.

No. 1110.

No. C848, Double, Round.

No. C848—Double Round Wire Gauges, Wynn's Nos. 1 to 30 ..... Each $3.75

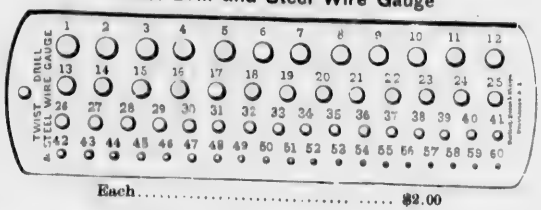
No. C611, Round.

No. C611—Round Wire Gauges, Wynn's Nos. 1 to 30 ..... Each $3.00
Brown & Sharpe's Round Wire Gauges, Nos. 0 to 36 ..... Each 7.00

No. 1110, Oblong.

No. 1110—Oblong Wire Gauges, Wynn's Nos. 1 to 26 ..... Each $2.75
Stubs' Oblong Wire Gauges, Stubs' Nos. 1 to 30 ..... Each 3.80

### Twist Drill and Steel Wire Gauge




Each ..... $2.00

### SIZES OF GAUGE IN DECIMALS

| No. | Size of Number | No. | Size of Number | No. | Size of Number | No. | Size of Number |
|---|---|---|---|---|---|---|---|
| 1 | .2280 | 16 | .1770 | 31 | .1200 | 46 | .0810 |
| 2 | .2210 | 17 | .1730 | 32 | .1160 | 47 | .0785 |
| 3 | .2130 | 18 | .1695 | 33 | .1130 | 48 | .0760 |
| 4 | .2090 | 19 | .1660 | 34 | .1110 | 49 | .0730 |
| 5 | .2055 | 20 | .1610 | 35 | .1100 | 50 | .0700 |
| 6 | .2040 | 21 | .1590 | 36 | .1065 | 51 | .0670 |
| 7 | .2010 | 22 | .1570 | 37 | .1040 | 52 | .0635 |
| 8 | .1990 | 23 | .1540 | 38 | .1015 | 53 | .0595 |
| 9 | .1960 | 24 | .1520 | 39 | .0995 | 54 | .0550 |
| 10 | .1935 | 25 | .1495 | 40 | .0980 | 55 | .0520 |
| 11 | .1910 | 26 | .1470 | 41 | .0960 | 56 | .0465 |
| 12 | .1890 | 27 | .1440 | 42 | .0935 | 57 | .0430 |
| 13 | .1850 | 28 | .1405 | 43 | .0890 | 58 | .0420 |
| 14 | .1820 | 29 | .1360 | 44 | .0860 | 59 | .0410 |
| 15 | .1800 | 30 | .1285 | 45 | .0820 | 60 | .0400 |

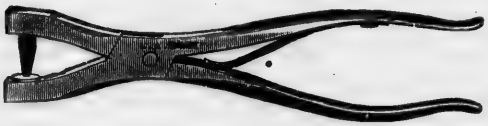
### Jobbers' Drill Gauge

Each ..... $3.50

### SIZES OF GAUGE IN DECIMALS

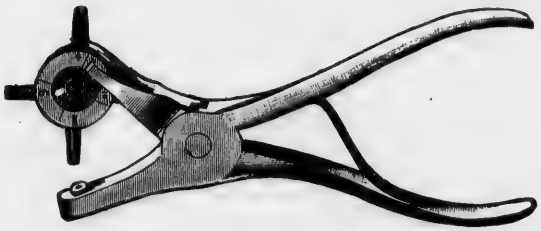
| Inch | Decimal | Inch | Decimal | Inch | Decimal | Inch | Decimal | Inch | Decimal |
|---|---|---|---|---|---|---|---|---|---|
| 1-16 | .0625 | 5-32 | .15625 | 1-4 | .25 | 11-32 | .34375 | 7-16 | .4375 |
| 5-64 | .07812 | 11-64 | .17187 | 17-64 | .26562 | 23-64 | .35937 | 29-64 | .45312 |
| 3-32 | .09375 | 3-16 | .1875 | 9-32 | .28125 | 3-8 | .375 | 15-32 | .46875 |
| 7-64 | .10937 | 13-64 | .20312 | 19-64 | .29687 | 25-64 | .39062 | 31-64 | .48437 |
| 1-8 | .125 | 7-32 | .21875 | 5-16 | .3125 | 13-32 | .40625 | 1-2 | .50 |
| 9-64 | .14062 | 15-64 | .23437 | 21-64 | .32812 | 27-64 | .42187 | | |

## SPRING PUNCHES



No. **10**.....Per dozen $4.50
No. **12**—With two extra tubes.....Per dozen 7.25

## Revolving Spring Punches



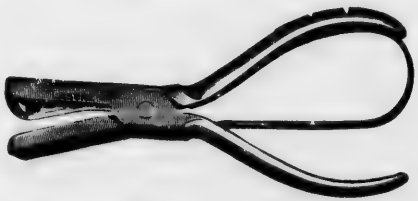
Four tubes.....Per dozen $10.50

Half dozen in a box.

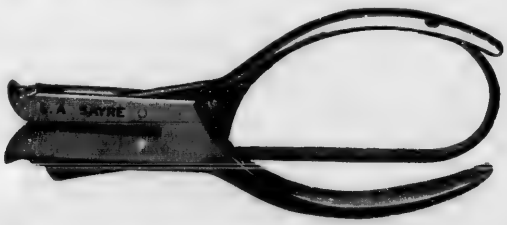
EXTRA TUBES.

Tubes only.....Per dozen $1.50

## Conductor's Punches



No. **27**—Length of jaw 5-8 inch, round hole only, polished.....Per dozen $11.50



No. **28 3-4**—Length of jaw 1 1-8 inch, assorted dies, nickel plated.....Per dozen $27.00

Half dozen in a box.

## KEYES' FLAT NOSE PLIERS

Wrought Steel, Black.

| Inch | 4 | 5 | 6 | 7 |
|---|---|---|---|---|
| Per dozen | $1.50 | 1.90 | 2.25 | 2.75 |

Half dozen in a box.

## Flat Nose Pliers

No. **583**—German Black.

| Inch | 4 | 4 1-2 | 5 | 5 1-2 | 6 | 6 1-2 | 7 |
|---|---|---|---|---|---|---|---|
| Per dozen | $1.20 | 1.25 | 1.40 | 1.60 | 1.75 | 2.10 | 2.25 |

No. **72**—Solid Steel, Drop Forged, Black.

| Inch | 4 1-2 | 5 | 5 1-2 | 6 | 7 |
|---|---|---|---|---|---|
| Per dozen | $2.85 | 3.25 | 3.90 | 4.50 | 5.90 |

Stubs'. No. **161**.

| Inch | 4 1-2 | 5 | 5 1-2 | 6 | 7 |
|---|---|---|---|---|---|
| Per dozen | $6.00 | 7.25 | 8.25 | 10.50 | 15.75 |

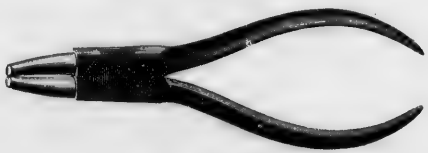
## Stocking Pliers

Long Nose, Bright.

No. **8073H**—4 Inch, Bright Stocking Pliers.....Per dozen $4.50
No. **8540**—6 Inch, Bright Stocking Pliers.....Per dozen 7.25

Half dozen in a box.

## Round Nose Pliers



No. **583 1-2**—German Black.

| Inch | 5 | 5 1-2 | 6 | 7 |
|---|---|---|---|---|
| Per dozen | $1.40 | 1.60 | 1.75 | 2.25 |

No. **73**—Solid Steel, Drop Forged, Black.

| Inch | 5 | 5 1-2 | 6 |
|---|---|---|---|
| Per dozen | $3.25 | 3.90 | 4.50 |

Stubs'. No. **162**.

| Inch | 5 | 5 1-2 | 6 |
|---|---|---|---|
| Per dozen | $7.25 | 8.25 | 10.50 |

Half dozen in a box.

## COMBINATION PLIERS

BLACK.

**6 inch** ..... Per dozen $21.00

NICKEL PLATED.

**6 inch** ..... Per dozen $23.00

Half dozen in a box.

**10 Inch, black** ..... Per dozen $28.00

**10 Inch, nickel plated** ..... Per dozen 33.00

Half dozen in a box.

### Gas Burner Pliers

With flat nose, wire cutter and turnscrew ends combined

No. C853—Wynn's polished ..... Per dozen $5.00

### Gas Burner Pliers

Solid Steel Forged Burner Pliers

**5 Inch Burner Pliers, drop forged and polished** ..... Per dozen $3.60

**6 Inch Burner Pliers, drop forged and polished** ..... Per dozen 4.20

Half dozen in a box.

### Gas Pliers

Solid Steel Forged Gas Pliers, Polished

| Inch | 8 | 10 | 12 |
|---|---|---|---|
| Per dozen | $5.75 | 7.50 | 9.00 |

Half dozen in a box.

## COMBINATION BURNER PLIERS

No. 600, Black

**With Flat Nose, Side Cutter, and Notched Wire Cutter, Combined.**

No. 600—7 Inch Combination Burner Plier ..... Per dozen $11.75

Half dozen in a box.

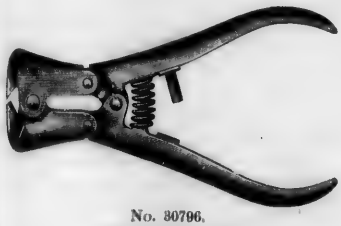
## Bernard's Nickel-Plated Steel Pliers

Bernard's Flat Nose Pliers, Open Throat, with Side Cutter.

| Inch | 4 1-2 | 5 1-2 | 6 1-2 | 7 1-2 |
|---|---|---|---|---|
| Per dozen | $15.00 | 19.50 | 24.00 | 31.50 |

Half dozen in a box.

## Lever Cutting Nippers



No. 30796,
End Cutting, Black.

No. 4029.
Side Cutting, with Flat Nose, Black.

**End Cutting Nippers.**

No. 30796—6 Inch Wrought Steel End Cutting Nippers, black ..... Per dozen $11.00

**Side Cutting Nippers, with Flat Nose.**

No. 4029—7 Inch Wrought Steel Side Cutting Nippers, black ..... Per dozen $10.00

Half dozen in a box.

## SIDE CUTTING PLIERS

No. 8253.

No. 206.

No. 8253—Cast Steel, Inserted Cutters.

No. **8253**—6 Inch Side Cutting Pliers, black ..... Per dozen $9.00
No **8253**—6 1-2 Inch Side Cutting Pliers, black ..... Per dozen 9.75

No. 206—Cast Steel, Solid Cutters.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. **206**—Inch ..... | | | | | **5 1-2** | .... | **6** | .... | **6 1-2** | | | |
| Per dozen ..... | | | | | $7.25 | .... | 8.00 | .... | 9 25 | | | |

Stubs' Cast Steel.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. **153**—Inch ..... | **5** | .... | **5 1-2** | .... | **6** | .... | **6 1-2** | .... | **7** | .... | **8** | |
| Per dozen ..... | $11.50 | .... | 11.50 | .... | 13.00 | .... | 16.25 | .... | 21.00 | .... | 28.50 | |

Half dozen in a package.

## Wire Cutters

No. **30**—4 Inch Wire Cutters, nickel plated, wrought steel ..... Per dozen $2.75

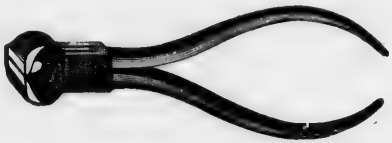
Half dozen in a box.

## Cutting Nippers

No. **3**—Ordinary size, 10 inches long ..... Per pair $2.75
No. **2**—Large size, 11 inches long ..... Per pair 3.50
No. **1**—Extra large size, 12 inches long ..... Per pair 3.75

One pair in a package.

## END CUTTING NIPPERS



**Cast Steel, Extra Quality**

**No. 8125**

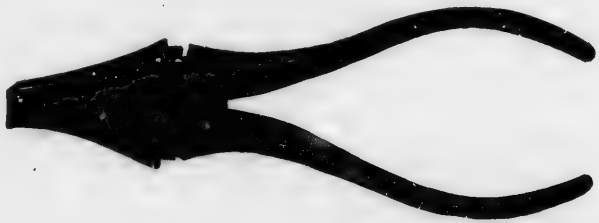
| Inches | 5 | .... | 5 1-2 |
|---|---|---|---|
| Per dozen | $4.50 | .... | 6.75 |

**Stubs'**

**No. 154**

| Inches | 4 | .... | 4 1-2 | .... | 5 | .... | 5 1-2 | .... | 6 | .... | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per dozen | $12.30 | .... | 12.30 | .... | 12.30 | .... | 13.50 | .... | 16.20 | .... | 30.00 |

## Button's Pattern Cast Steel Pliers and Wire Cutters



| Inches | 8 | .... | 9 | .... | 10 | .... | 12 |
|---|---|---|---|---|---|---|---|
| Per dozen | $5.25 | .... | 6.00 | .... | 6.50 | .... | 9.00 |

**Cronk's**

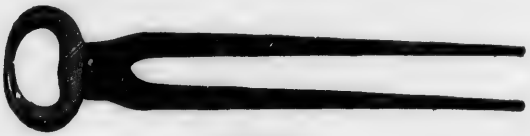
10 Inches ..... Per dozen $13.25

## Cronk's Patent All Steel, Wire Cutter and Bender

| Inches | 8 | .... | 10 |
|---|---|---|---|
| Per dozen | $10.50 | .... | 13.25 |

Half dozen in a box.

## HELLER & BROS' FARRIERS' PINCERS.



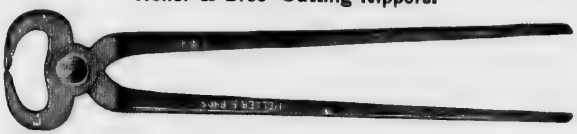
Style of 12 Inch.

Style of 14 Inch, "J. I. C." Pattern.

**Newark Pattern, Solid Steel, Fancy Handles, Polished Jaws.**

| Inches | 12 | 14 |
|---|---|---|
| Per Dozen | $17.25 | 26.25 |

## Heller & Bros' Cutting Nippers.

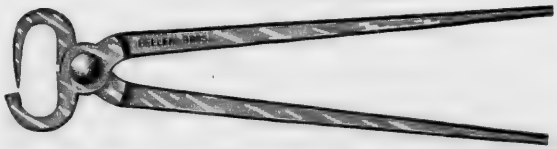


**Newark Pattern, Solid Steel, Full Polished.**

**These Tools should never be used for Extracting Nails, although Clinches may be cut with them.**

| Inches | 12 |
|---|---|
| Per Dozen | $23.00 |

## Heller & Bros' Hoof Parers.



**Newark Pattern, Solid Steel, Full Polished.**

**Makes a Clean and Smooth Cut to the extreme edge of the Hoof, which is impossible with Nippers.**

| Inches | 12 | 14 |
|---|---|---|
| Per Dozen | $23.50 | 28.00 |

## HORSE SHOEING PINCERS

No. 52.

No. 52 x 12 inch--Horse Shoeing Pincers, wrought iron, steel face.....Per dozen $10.50
No. 52 x 14 inch—Horse Shoeing Pincers, wrought iron, steel face.....Per dozen 12.50

One-third dozen in a box.

Canadian Horse Shoeing Pincers, 12 inch.....Per dozen $6.75
Canadian Horse Shoeing Pincers, 14 inch.....Per dozen 7.50

### Carpenters' Pincers

### Shoemakers' Pincers

**Carpenters' Pincers.**

| No. 213 ... Inch | 6 | 7 | 8 | 10 |
|---|---|---|---|---|
| Per dozen ..... | $1.30 | 1.75 | 2.25 | 4.00 |

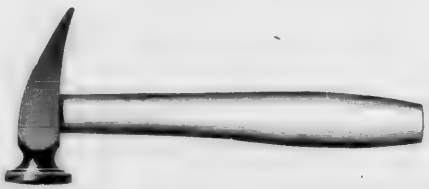
Half dozen in a package.

**Shoemakers' Pincers.**

No 1013/2—7 1-2 inch.....Per dozen $3.75

Half dozen in a package.

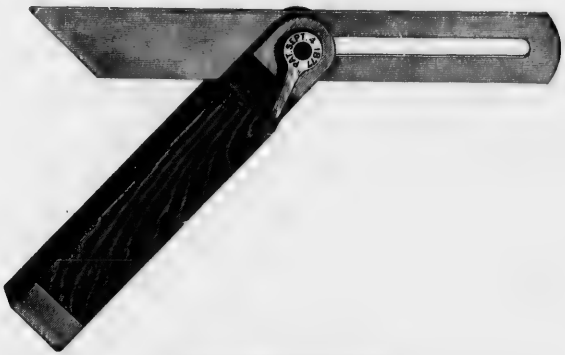
### Steel Face Shoe Hammers



No. 2—Shoe Hammers, steel faced.....Per dozen $7.25

Half dozen in a package.

## SLIDING T BEVELS



No. **25**—Rosewood Handle.

Brass Tips and Flush Lever. Hardened and Tempered Blade.

| Inch | 6 | 8 | 10 |
|---|---|---|---|
| Per dozen | $4.25 | 4.50 | 5.00 |

Half dozen in a box.

## Try Squares

No. **2**—Rosewood Handle.

Brass Lined Handle, Graduated Blade, Square Inside and Out.

| Inch | 4 1-2 | 6 | 7 1-2 | 9 |
|---|---|---|---|---|
| Per dozen | $2.65 | 3.40 | 4.00 | 4.50 |

**Kent's Plated Try Squares**

| Inch | 4 1-2 | 6 | 7 1-2 | 9 |
|---|---|---|---|---|
| Per dozen | $4.80 | 6.00 | 7.25 | 8.25 |

Half dozen in a box.

## Combined Try and Mitre Squares

No. **32**—Rosewood Handle.

Brass Lined Handle, Graduated Blade, Square Inside and Out.

| Inch | 6 |
|---|---|
| Per dozen | $5.00 |

Half dozen in a box.

## IRON AND STEEL SQUARES

### Iron Squares

No. **492**—1 1-2 inch wide, marked in ½ths on one side ..... Per dozen $2.65
No. **493**—1 1-2 inch wide, marked in ½ths on both sides ..... Per dozen 3.40
No. **494**—2 inch wide, marked in ½ths on both sides ..... Per dozen 4.50

Half dozen in a package.

### POLISHED STEEL SQUARES

| Steel Nos. | Per dozen | Size in Inches Body | Tongue | How Marked: Face A | Face B | Face C | Face D | Back E | Back F | Back G | Back H | Two Feet Squares. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | $40.00 | 24x2 | 16x1 1-2 | 1-16 | 1-8 | 1-16 | 1-8 | 1-12 & 100's | 1-32 | 1-12 | 1-10 | Brace Measure, 8 Square and Essex's Board. |
| 1 | 30.00 | 24x2 | 16x1 1-2 | 1-16 | 1-8 | 1-16 | 1-8 | 1-12 & 100's | 1-8 | 1-12 | 1-8 | " " 8 " " " " |
| 2 | 27.00 | 24x2 | 16x1 1-2 | 1-16 | 1-8 | 1-16 | 1-8 | 1-12 | 1-4 | 1-12 | 1-4 | " " 8 " " " " |
| 3 | 24.00 | 24x2 | 16x1 1-2 | 1-16 | 1-4 | 1-16 | 1-4 | 1-12 | 1-4 | 1-12 | 1-4 | Brace Measure and Essex's Board. |
| 4 | 23.00 | 24x2 | 16x1 1-2 | 1-8 | 1-4 | 1-8 | 1-4 | 1-12 | 1-4 | 1-12 | 1-4 | " " " " " |
| 5 | 22.50 | 24x2 | 16x1 1-2 | 1-8 | 1-4 | 1-8 | 1-4 | 1-12 | 1-2 | 1-12 | 1-4 | " " " " " |
| 7 | 21.50 | 24x2 | 16x1 1-2 | 1-8 | 1-4 | 1-8 | 1-4 | 1-4 | 1 in. | 1-4 | 1-4 | Essex's Board. |
| 14 | 21.00 | 24x2 | 16x1 1-2 | 1-8 | 1-4 | 1-8 | 1-4 | 1-4 | 1 in. | 1-4 | 1-4 | " " |
| | | | | BRIDGE BUILDERS' | | | | | | | | |
| 15 | 300.00 | 24x3 | 18x1 1-2 | 1-16 | 1-8 | 1-16 | 1-8 | 1-12 | 1-8 | 1-12 | 1-8 | Body is three inches wide with a one inch slot through the centre. Slot is marked in 1-8ths on both sides. |

### Nickel-Plated Squares

No. **103**—Quality and marking same as No. 3 ..... Per dozen $31.00

### One Foot Squares

| | Per doz. | Body | Tongue | A | B | C | D | E | F | G | H | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. **12**— | $22.00 ... | 12 x 1 1-2 | 8 x 1 | 1-16 | 1-8 | 1-16 | 1-8 | 1-12 | 1-8 | 1-12 | 1-8 | Polished. |
| No. **111**— | 22.00 ... | 12 x 1 1-2 | 8 x 1 | 1-8 | 1-4 | 1-8 | ... | 1-4 | 1-4 | 1-4 | ... | Nickel-plated. |

One-quarter dozen in a box.

**Explanation of the Letters used on this Page to show how Squares are marked.**

Face of Square, { **A**, Face of Body, Outside. **B**, Face of Body, Inside. **C**, Face of Tongue, Outside. **D**, Face of Tongue, Inside.

Back of Square, { **E**, Back of Body, Outside. **F**, Back of Body, Inside. **G**, Back of Tongue, Outside. **H**, Back of Tongue, Inside.

The "Face" of the Square is the side upon which is stamped makers' name. The reverse side is the "Back." The larger arm is the "Body" and the shorter arm the "Tongue."

Squares with 18 inch tongue furnished to order.

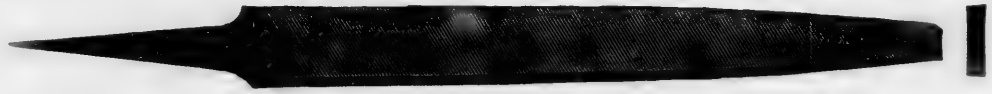
**Bastard.**

| Inches | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $1.80 | 1.80 | 2.00 | 2.25 | 2.55 | 2.90 | 3.30 | 3.80 | 5.40 | 7.80 | 11.00 |

One Round Edge Advances 7½ Per Cent.

**Flat Bastard.**

| Inches | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $2.00 | 2.00 | 2.20 | 2.50 | 3.40 | 4.70 | 6.70 | 9.50 | 13.10 |



**Flat Second Cut.**

| Inches | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|
| Per Dozen | $2.40 | 2.95 | 4.00 | 5.45 | 7.70 | 10.90 | 14.95 |

**Flat Smooth.**

| Inches | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|
| Per Dozen | $2.65 | 2.65 | 3.25 | 4.35 | 5.90 | 8.40 | 11.80 | 16.00 |

3 to 10 Inch, One Dozen in a Box; Larger, Half Dozen.

| Per Dozen | $2.65 | 2.65 | 3.25 | 4.35 | 5.90 | 8.40 | 11.50 | 16.00 |
|---|---|---|---|---|---|---|---|---|

3 to 10 Inch, One Dozen in a Box; Larger, Half Dozen.

**Hand Bastard.**

| Inches | | | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|
| Per Dozen | | | $5.20 | 7.50 | 10.50 | 14.30 |

**Equaling Bastard.**

| Inches | | | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|
| Per Dozen | | | $6.70 | 9.50 | 13.10 | 17.55 |

**Hand Second Cut.**

| Inches | | | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|
| Per Dozen | | | $6.00 | 8.60 | 12.00 | 16.20 |

**Hand Smooth.**

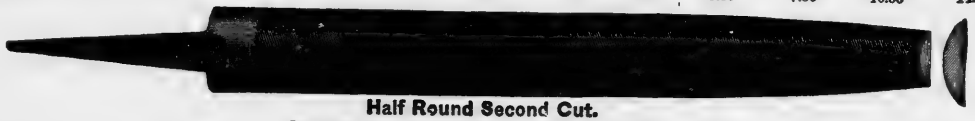
| Inches | 6 | 8 | 0 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|
| Per Dozen | $3.65 | 4.75 | 6.55 | 9.40 | 13.00 | 17.50 |

6 to 10 Inch, One Dozen in a Box; Larger, Half Dozen.

**Half Round Bastard.**

Double Cut on both Half Round and Flat Sides.

| Inches | 3 | 4 | 4½ | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $2.50 | 2.50 | 2.80 | 2.80 | 3.20 | 4.30 | 5.80 | 7.80 | 10.60 | 14.50 |



**Half Round Second Cut.**

Single Cut on Half Round Side, Double Cut on Flat Side.

| Inches | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|
| Per Dozen | $3.80 | 5.00 | 6.75 | 9.00 | 12.10 | 16.50 |

**Half Round Smooth.**

Single Cut on Half Round Side, Double Cut on Flat Side.

| Inches | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $3.30 | 3.30 | 3.70 | 4.15 | 5.50 | 7.30 | 9.75 | 13.10 | 17.70 |

**Cabinet Files.**

| Inches | 10 | 12 | 14 |
|---|---|---|---|
| Per Dozen | $8.75 | 12.30 | 16.90 |

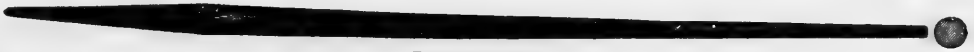
3 to 10 inch, One Dozen in a Box; Larger, Half Dozen.

| Cabinet Files. | | | |
|---|---|---|---|
| Inches | 10 | 12 | 14 |
| Per Dozen | $8.75 | 12.30 | 16.90 |

3 to 10 inch, One Dozen in a Box; Larger, Half Dozen.

**Round Bastard.**

| Inches | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $1.80 | 1.80 | 2.00 | 2.25 | 2.90 | 3.80 | 5.40 | 7.80 | 11.00 |



**Round Smooth.**

| Inches | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|
| Per Dozen | $2.40 | 2.40 | 2.95 | 3.70 | 4.80 | 6.75 | 9.65 | 13.40 |

**Square Bastard.**

| Inches | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per Dozen | $2.00 | 2.00 | 2.20 | 2.50 | 3.40 | 4.70 | 6.70 | 9.50 | 13.10 |

**Square Blunt Bastard.**

| Inches | 12 | 14 | 16 |
|---|---|---|---|
| Per Dozen | $8.00 | 11.20 | 15.25 |

3 to 10 Inch. One Dozen in a Box: Larger, Half Dozen.

**Knife Bastard.**

| Inches | 3 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|
| Per Dozen | $2.80 | 2.80 | 3.20 | 3.20 | 3.70 |

**Warding Smooth.**

| Inches | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|
| Per Dozen | $3.00 | 3.30 | 3.65 | 4.15 | 4.75 | 5.55 | 6.55 |

**Pit Saw Files, Single Cut.**

| Inches | 6 | 8 | 10 |
|---|---|---|---|
| Per Dozen | $3.20 | 4.30 | 5.80 |

**Rev[illegible]ble Three Square Taper Saw Files.**

| Inches | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per Dozen | $2.40 | 2.60 | 2.90 | 3.40 |

All Above One Dozen in a Box.

| Per Dozen | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| | $2.40 | 2.60 | 2.90 | 3.40 |

All Above One Dozen in a Box.

### Improved Three Square Taper Saw Files, Single Cut.

| Inches | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per Dozen | $1.10 | 1.10 | 1.20 | 1.40 | 1.70 | 2.40 | 3.80 | 5.70 |

### Improved Three Square Taper Saw Files, Slim.

| Inches | 3 1-2 | 4 | 4 1-2 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| Per Dozen | $1.20 | 1.30 | 1.45 | 1.70 | 2.10 | 2.50 | 3.00 |

### Improved Three Square Taper Saw Files, Double Cut.

| Inches | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per Dozen | $1.60 | 1.60 | .75 | 2.00 | 2.40 | 3.25 |

### Peter Stubs' Genuine Taper Saw Files, Double Cut.

| Inches | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|
| Per Dozen | $1.70 | 1.80 | 2.00 | 2.80 | 3.10 | 3.50 |

All Above One Dozen in a Box.

## RASPS.



### Half Round Wood Rasps.

| Inches | 10 | 12 | 14 |
|---|---|---|---|
| Per Dozen | $8.75 | 12.30 | 16.90 |

### Cabinet Rasps.

| Inches | 10 | 12 | 14 |
|---|---|---|---|
| Per Dozen | $11.20 | 15.00 | 19.60 |

### Half Round Shoe Rasps.

| Inches | 8 | 10 |
|---|---|---|
| Per Dozen | $6.10 | 8.00 |

### Plain Horse Rasps.

| Inches | 13 | 14 | 15 | 16 |
|---|---|---|---|---|
| Per Dozen | $9.00 | 12.70 | 15.00 | 17.60 |

All Above Half Dozen in a Box.

# FILES.

## LIST ADOPTED BY U. S. AND CANADIAN MANUFACTURERS, JULY 1, 1897.

| Mill and Round | | | | Flat | | | | Square | | | | Hand and Pillar | | | | Half-round & 3-square | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INCH | BASTARD | 2D CUT | SMOOTH | INCH | BASTARD | 2D CUT | SMOOTH | INCH | BASTARD | 2D CUT | SMOOTH | INCH | BASTARD | 2D CUT | SMOOTH | INCH | BASTARD | 2D CUT | SMOOTH |
| 4 | 2.20 | 2.60 | 2.90 | 4 | 2.70 | 3.20 | 3 50 | 4 | 2.80 | 3.40 | 3 70 | 4 | 2.[illegible] | [illegible].20 | 3 60 | 4 | 3.60 | 4 20 | 4.50 |
| 5 | 2.40 | 2 80 | 3.10 | 5 | 2.90 | 3 40 | 3.70 | 5 | 3.10 | 3.60 | 3.90 | 5 | 2.90 | 3.50 | 3.90 | 5 | 4.00 | 4 50 | 4.80 |
| 6 | 2.60 | 3.00 | 3.30 | 6 | 3.20 | 3.60 | 3.90 | 6 | 3.40 | 3.80 | 4.10 | 6 | 3.20 | 3.80 | 4.20 | 6 | 4.50 | 5.00 | 5 30 |
| 7 | 2.90 | 3.40 | 3.70 | 7 | 3.60 | 4.10 | 4.50 | 7 | 3.80 | 4.30 | 4.70 | 7 | 3.70 | 4.30 | 4.70 | 7 | 5 20 | 5 70 | 6.10 |
| 8 | 3.20 | 3.70 | 4.00 | 8 | 3.90 | 4.50 | 4.90 | 8 | 4 10 | 4 70 | 5.20 | 8 | 4.00 | 4.70 | 5.20 | 8 | 5.60 | 6 20 | 6.60 |
| 9 | 3.70 | 4.30 | 4.70 | 9 | 4 70 | 5.40 | 5 90 | 9 | 4.90 | 5 70 | 6.20 | 9 | 5.00 | 5.80 | 6.30 | 9 | 6.3[illegible] | 7.00 | 7.40 |
| 10 | 4.20 | 4 80 | 5.20 | 10 | 5.20 | 6.00 | 6.50 | 10 | 5.50 | 6.30 | 6.80 | 10 | 5.60 | 6.50 | 7.00 | 10 | 6 80 | 7.50 | 8 00 |
| 11 | 5.00 | 5.80 | 6 30 | 11 | 6.40 | 7.30 | 8.00 | 11 | 6.80 | 7.70 | 8.40 | 11 | 7.00 | 8.10 | 8.80 | 11 | 8 00 | 8 80 | 9.40 |
| 12 | 5 60 | 6.40 | 7.00 | 12 | 7 20 | 8.20 | 9.00 | 12 | 7.60 | 8 60 | 9.50 | 12 | 8.00 | 9.20 | 10.00 | 12 | 8.80 | 9.70 | 10.40 |
| 13 | 7 00 | 8.00 | 8.70 | 13 | 8.80 | 10.10 | 11.00 | 13 | 9 30 | 10.60 | 11.50 | 13 | 9 90 | 11 30 | 12.10 | 13 | 10.50 | 11 50 | 12.30 |
| 14 | 8.00 | 9.10 | 9.80 | 14 | 9.90 | 11.40 | 12.40 | 14 | 10.40 | 12.00 | 13.00 | 14 | 11 10 | 12.70 | 13.50 | 14 | 11.60 | 12 70 | 13.60 |
| 15 | 9.80 | 11.10 | 12.00 | 15 | 11.90 | 13.60 | 14.90 | 15 | 12.60 | 14.30 | 15,60 | 15 | 13.40 | 15.30 | 16.20 | 15 | 13.80 | 15.20 | 16.20 |
| 16 | 11.00 | 12.50 | 13 40 | 16 | 13.30 | 15 00 | 16.60 | 16 | 14 00 | 15.80 | 17.40 | 16 | 15.00 | 17.00 | 18.00 | 16 | 15 30 | 16 80 | 18.00 |

EXTRAS. **Mill** Double Cut, and Mill Narrow Points, advance One Inch.

| INCH | Tapers | | Slim Tapers | | Band Saw Blunt and Taper | | INCH | Pit Saw | Warding | Planer Knife | | Double Ender Taper | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SINGLE CUT | DOUBLE CUT | SINGLE CUT | DOUBLE CUT | REG'LAR | SLIM | | SINGLE CUT | BASTARD | INCH | SINGLE CUT | INCH | |
| 3 | 1.50 | 1.90 | 1.50 | 1 90 | 1.90 | 1.90 | 4 | 3.60 | 3.00 | 8 | 4.80 | 7 | 2.60 |
| 3½ | 1.50 | 1.90 | 1.50 | 1.90 | 1 90 | 1.90 | 5 | 4.00 | 3 30 | 10 | 6.40 | 8 | 2.90 |
| 4 | 1.60 | 2.10 | 1.60 | 2 00 | 2.10 | 2.00 | 6 | 4.50 | 3.70 | 12 | 9.00 | 9 | 3.20 |
| 4½ | 1.80 | 2.30 | 1 70 | 2 20 | 2 30 | 2 20 | 7 | 5.20 | 4.40 | | | 10 | 3.70 |
| 5 | 2.00 | 2 60 | 1 90 | 2.40 | 2 60 | 2.40 | 8 | 5 60 | 4.80 | | | | |
| 5½ | 2 20 | 3 00 | 2.10 | 2.60 | 3.00 | 2.60 | | | | | | | |
| 6 | 2 50 | 3.50 | 2.30 | 2.90 | 3.50 | 2 90 | | | | | | | |
| 7 | 3.20 | 4.20 | 2.80 | 3.30 | 4.20 | 3.30 | | | | | | | |
| 8 | 4.00 | 5.00 | 3.30 | 3.90 | 5.00 | 3.90 | | | | | | | |
| 9 | 4 90 | 6.00 | 4 00 | 4 70 | 6 00 | 4.70 | | | | | | | |
| 10 | 6 00 | 7 20 | 4.80 | 5.60 | 7.20 | 5.60 | | | | | | | |

| Horse Rasps | | | ½ Round Cabinet Files | | ½ Round Cabinet Rasps | | ½ Round Wood Rasps | | Shoe Rasps, ½ Round | |
|---|---|---|---|---|---|---|---|---|---|---|
| INCH | PLAIN | TANGED | INCH | | INCH | | INCH | | INCH | |
| 12 | 9.50 | 12 50 | 8 | 7.50 | 8 | 9.50 | 8 | 7.50 | 8 | 7.50 |
| 13 | 11.30 | 14.60 | 10 | 10.20 | 10 | 18.00 | 10 | 10.20 | 9 | 9.10 |
| 14 | 13.30 | 17.20 | 12 | 14 00 | 12 | 17.00 | 12 | 14.60 | | |
| 15 | 15.60 | 20.30 | 14 | 18.50 | 14 | 22 00 | 14 | 18.50 | | |
| 16 | 18 20 | 24.00 | | | | | | | | |

**Sizes below 4 inches,** not extended, take 4 inch price.
**Half Inches** not specified, take next higher full inch price.
**Dead Smooth,** double the price of Bastard Cut.
**One Round Edge,** advance 12½ per cent.

**Cancel List of Horse Tooth Rasps on next page.**

LIST PER DOZEN No. 1, Horse Tooth Rasps.....Length 20 inches. Polished. $21.50
" " " 2, " " " Jointed..... " 22 " " 30.50
" " " 3, " " " Adjustable ..... " 20 " " 26.50
" " " 4, " " " Adjustable Jointed " 29 " " 34.50
No. 7, Floats for Adjustable Horse Tooth Rasps ..... 5.00

**PASTE THIS OVER PAGE 425 OF OUR CATALOGUE.**

# FILES.

LIST ADOPTED BY U.S. AND CANADIAN MANUFACTURERS NOV. 1ST, 1899.

| Mill and Round | | | | Flat | | | Square | | | | Hand and Pillar | | | Half-round and 3-sq | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inch | Bast'rd | 2d Cut | Smooth | Bast'rd | 2d Cut | Smooth | Inch | Bast'rd | 2d Cut | Smooth | Bast'rd | 2d Cut | Smooth | Inch | Bast'rd | 2d Cut | Smooth |
| 4 | 3 00 | 3 50 | 3 90 | 3 70 | 4 30 | 4 70 | 4 | 3 80 | 4 60 | 4 90 | 3 70 | 4 30 | 4 80 | 4 | 4 80 | 5 60 | 6 10 |
| 5 | 3 20 | 3 80 | 4 10 | 3 90 | 4 60 | 4 90 | 5 | 4 10 | 4 80 | 5 30 | 3 90 | 4 70 | 5 30 | 5 | 5 40 | 6 10 | 6 40 |
| 6 | 3 50 | 4 00 | 4 50 | 4 30 | 4 80 | 5 30 | 6 | 4 60 | 5 10 | 5 50 | 4 30 | 5 10 | 5 60 | 6 | 6 10 | 6 70 | 7 10 |
| 7 | 3 90 | 4 60 | 4 90 | 4 80 | 5 50 | 6 10 | 7 | 5 10 | 5 80 | 6 30 | 4 90 | 5 80 | 6 30 | 7 | 7 00 | 7 70 | 8 20 |
| 8 | 4 30 | 4 90 | 5 40 | 5 30 | 6 10 | 6 60 | 8 | 5 50 | 6 30 | 7 00 | 5 40 | 6 30 | 6 70 | 8 | 7 50 | 8 30 | 8 90 |
| 9 | 4 90 | 5 80 | 6 30 | 6 30 | 7 20 | 7 90 | 9 | 6 60 | 7 70 | 8 30 | 6 70 | 7 80 | 8 30 | 9 | 8 50 | 9 40 | 9 90 |
| 10 | 5 60 | 6 40 | 7 00 | 7 00 | 8 10 | 8 70 | 10 | 7 40 | 8 50 | 9 10 | 7 50 | 8 70 | 9 40 | 10 | 9 10 | 10 10 | 10 70 |
| 11 | 6 70 | 7 80 | 8 50 | 8 60 | 9 30 | 10 70 | 11 | 9 10 | 10 40 | 11 30 | 9 40 | 10 90 | 11 80 | 11 | 10 70 | 11 80 | 12 70 |
| 12 | 7 50 | 8 60 | 9 40 | 9 70 | 11 00 | 12 10 | 12 | 10 20 | 11 50 | 12 80 | 10 70 | 12 30 | 13 50 | 12 | 11 80 | 13 00 | 13 90 |
| 13 | 9 40 | 10 70 | 11 70 | 11 80 | 13 60 | 14 70 | 13 | 12 50 | 14 30 | 15 40 | 13 30 | 15 20 | 16 20 | 13 | 14 10 | 15 40 | 16 60 |
| 14 | 10 70 | 12 20 | 13 10 | 13 30 | 15 30 | 16 70 | 14 | 13 90 | 16 10 | 17 50 | 15 00 | 17 00 | 18 20 | 14 | 15 50 | 17 00 | 18 30 |
| 15 | 13 10 | 15 00 | 16 10 | 16 00 | 18 30 | 20 00 | 15 | 16 90 | 19 20 | 20 90 | 17 90 | 20 60 | 21 70 | 15 | 18 50 | 20 40 | 21 70 |
| 16 | 14 70 | 16 80 | 17 90 | 17 80 | 20 10 | 22 30 | 16 | 18 70 | 21 20 | 23 30 | 20 10 | 23 80 | 24 20 | 16 | 20 60 | 22 50 | 24 20 |

Mill Blunt, Dbl. Cut, adv. 2 in.
Mill Dbl Cut, " 1 "
Mill Narrow Point, " 1 "

Cant (Blunt) Dbl. Cut, advance 2 in.

Square Blunt, advance 1 in.

Slotting (Blt.) adv. 2 in.
Cutter Blunt or Taper advance 2 in.

Ginsaw, take Bastard price
Crossing, . . adv. 2 in.
Tumbler, . . " 2 "
Feather Edge (Blunt) " 2 "
High Back Half Round . . " 2 "

| MILL One Round Edge | | | | MILL 2 Round Edges | | | TAPERS | | | SLIM TAPERS | | BANDSAW Blunt & Taper | | Pit Saw | WARDING | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inch | Bast'rd | 2d Cut | Smooth | Bast'rd | 2d Cut | Smooth | Inch | Single Cut | Double Cut | Single Cut | Double Cut | Reg'lar | Slim | Inch | Single Cut | Bast'rd | 2d Cut | Smooth |
| 4 | 3 40 | 3 90 | 4 40 | 3 80 | 4 40 | 4 90 | 3 | 2 10 | 2 50 | 2 10 | 2 50 | 2 50 | 2 50 | 4 | 4 80 | 4 00 | 4 80 | 5 40 |
| 5 | 3 60 | 4 30 | 4 60 | 4 00 | 4 80 | 5 10 | 3½ | 2 10 | 2 50 | 2 10 | 2 50 | 2 50 | 2 50 | 5 | 5 40 | 4 50 | 5 30 | 5 80 |
| 6 | 3 90 | 4 50 | 5 10 | 4 40 | 5 00 | 5 60 | 4 | 2 20 | 2 90 | 2 20 | 2 60 | 2 90 | 2 60 | 6 | 6 10 | 4 90 | 5 90 | 6 40 |
| 7 | 4 40 | 5 20 | 5 50 | 4 90 | 5 80 | 6 10 | 4½ | 2 40 | 3 10 | 2 30 | 3 00 | 3 10 | 3 00 | 7 | 7 00 | 5 90 | 6 90 | 7 50 |
| 8 | 4 80 | 5 50 | 6 10 | 5 40 | 6 10 | 6 80 | 5 | 2 60 | 3 50 | 2 50 | 3 20 | 3 50 | 3 20 | 8 | 7 50 | 6 40 | 7 50 | 8 20 |
| 9 | 5 50 | 6 50 | 7 10 | 6 10 | 7 30 | 7 90 | 5½ | 3 00 | 4 00 | 2 90 | 3 50 | 4 00 | 3 50 | | | | | |
| 10 | 6 30 | 7 20 | 7 90 | 7 00 | 8 00 | 8 80 | 6 | 3 40 | 4 70 | 3 10 | 3 90 | 4 70 | 3 90 | | | | | |
| 11 | 7 50 | 8 80 | 9 60 | 8 40 | 9 80 | 10 60 | 7 | 4 30 | 5 60 | 3 80 | 4 50 | 5 60 | 4 50 | | | | | |
| 12 | 8 40 | 9 70 | 10 60 | 9 40 | 10 80 | 11 80 | 8 | 5 40 | 6 70 | 4 50 | 5 30 | 6 70 | 5 30 | | | | | |
| | | | | | | | 9 | 6 60 | 8 10 | 5 40 | 6 30 | 8 10 | 6 30 | | | | | |
| | | | | | | | 10 | 8 10 | 9 70 | 6 40 | 7 50 | 9 70 | 7 50 | | | | | |

| Horse Rasps | | | Wood Files | | ½ Round Cabinet Rasps | ½ Round Wood Rasps | Shoe Rasps | | Double ender | | Planer Knife | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inch | Plain | Tanged | Inch | ½ Round | | | Inch | ½ Round | Inch | Taper | Inch | |
| 12 | 12 80 | 16 80 | 8 | 7 50 | 8 12 80 | 10 10 | 8 | 10 10 | 7 | 3 50 | 8 | 6 40 |
| 13 | 15 20 | 19 60 | 10 | 9 10 | 10 17 50 | 13 70 | 9 | 12 20 | 8 | 3 90 | 10 | 8 60 |
| 14 | 17 80 | 23 10 | 12 | 11 80 | 12 22 80 | 18 70 | | | 9 | 4 40 | 12 | 12 10 |
| 15 | 20 90 | 27 30 | 14 | 15 50 | 14 29 60 | 24 80 | | | 10 | 4 90 | | |
| 16 | 24 40 | 33 20 | | | | | | | | | | |

**Sizes below 4 inches,** not extended, take 4 inch price.
**Half Inches** not specified, take next higher full inch price.
**Dead Smooth,** double the price of Bastard Cut.
**One Round Edge,** advance 12½ per cent.
**All lengths** above those listed, advance 20 % on next lower in price.

**Blunt Files** not specified, advance one inch on respective kinds and cuts.
**Single or Float Cut** not specified, on reg. shapes take Double Cut price.
**Equalings (Bellied)** advance two inches on respective kinds and cuts.
**Two Round Edges,** advance 25 per cent.
**Files varying** from standard sizes, subject to special prices.
**Cuts not specified,** made upon regular blanks, advance one inch on respective kinds and nearest cut.

No. 1, Heller's Plain Horse Tooth Rasps, length 21 inches. Per dozen, $29.00
" 2, " " Jointed Horse Tooth Rasps, length 23 inches, " 41.00
" 3, " Adjustable " " " " 20 " " 36.00 } One-twelfth dozen in a box.
" 4, " " Jointed " " " " 21 " " 46.50
Heller's Floats, . . . . . 7.00

**Please insert over page 425a in our Catalogue.**

# FILES.

## List Adopted by U. S. Manufacturers, December 1, 1885.

### Mill and Round.

| Inch. | Bastard. | 2d Cut. | Smooth. |
|---|---|---|---|
| 4 | $ 1.80 | $ 2.15 | $ 2.40 |
| 5 | 2.00 | 2.40 | 2.65 |
| 6 | 2.25 | 2.65 | 2.95 |
| 7 | 2.55 | 3.00 | 3.30 |
| 8 | 2.90 | 3.40 | 3.70 |
| 9 | 3.30 | 3.85 | 4.20 |
| 10 | 3.80 | 4.40 | 4.80 |
| 11 | 4.50 | 5.20 | 5.65 |
| 12 | 5.40 | 6.20 | 6.75 |
| 13 | 6.50 | 7.45 | 8.05 |
| 14 | 7.80 | 8.90 | 9.65 |
| 15 | 9.30 | 10.60 | 11.45 |
| 16 | 11.00 | 12.50 | 13.40 |
| 17 | 12.90 | 14.60 | 15.60 |
| 18 | 15.10 | 16.90 | 18.10 |
| 19 | 17.60 | 19.70 | 21.10 |
| 20 | 20.40 | 22.85 | 24.50 |

EXTRAS.

**Mill** Double Cut, and Mill Narrow Points, advance 1 Inch.
**Cross Cut Saw** (Blunt), advance 2 Inches.

### Flat and Square.

| Inch. | Bastard. | 2d Cut. | Smooth. |
|---|---|---|---|
| 4 | $ 2.00 | $ 2.40 | $ 2.65 |
| 5 | 2.20 | 2.60 | 2.90 |
| 6 | 2.50 | 2.95 | 3.25 |
| 7 | 2.90 | 3.40 | 3.75 |
| 8 | 3.40 | 4.00 | 4.35 |
| 9 | 4.00 | 4.70 | 5.10 |
| 10 | 4.70 | 5.45 | 5.90 |
| 11 | 5.60 | 6.50 | 7.05 |
| 12 | 6.70 | 7.70 | 8.40 |
| 13 | 8.00 | 9.15 | 10.00 |
| 14 | 9.50 | 10.90 | 11.80 |
| 15 | 11.20 | 12.75 | 13.75 |
| 16 | 13.10 | 14.85 | 16.00 |
| 17 | 15.25 | 17.25 | 18.45 |
| 18 | 17.65 | 19.75 | 21.20 |
| 19 | 20.30 | 22.75 | 24.35 |
| 20 | 23.20 | 26.00 | 27.85 |

EXTRAS.

**Cant Blunt** (Double Cut), advance 2 In.

### Hand, Warding and Pillar.

| Inch. | Bastard. | 2d Cut. | Smooth. |
|---|---|---|---|
| 4 | $ 2.25 | $ 2.70 | $ 3.00 |
| 5 | 2.50 | 3.00 | 3.30 |
| 6 | 2.80 | 3.30 | 3.65 |
| 7 | 3.20 | 3.75 | 4.15 |
| 8 | 3.70 | 4.35 | 4.75 |
| 9 | 4.35 | 5.10 | 5.55 |
| 10 | 5.20 | 6.00 | 6.55 |
| 11 | 6.30 | 7.30 | 7.95 |
| 12 | 7.50 | 8.60 | 9.40 |
| 13 | 8.90 | 10.20 | 11.00 |
| 14 | 10.50 | 12.00 | 13.00 |
| 15 | 12.30 | 14.00 | 15.10 |
| 16 | 14.30 | 16.20 | 17.50 |
| 17 | 16.60 | 18.75 | 20.10 |
| 18 | 19.20 | 21.50 | 23.00 |
| 19 | 22.10 | 24.75 | 26.50 |
| 20 | 25.30 | 28.35 | 30.35 |

EXTRAS.

**Cinsaw** (Single Cut), take Bastard Price.
**Slotting** (Blunt), advance 2 Inches.

### Half Round and Three Square.

| Inch. | Bastard. | 2d Cut. | Smooth. |
|---|---|---|---|
| 4 | $ 2.50 | $ 3.00 | $ 3.30 |
| 5 | 2.80 | 3.35 | 3.70 |
| 6 | 3.20 | 3.80 | 4.15 |
| 7 | 3.70 | 4.35 | 4.80 |
| 8 | 4.30 | 5.00 | 5.50 |
| 9 | 5.00 | 5.85 | 6.40 |
| 10 | 5.80 | 6.75 | 7.30 |
| 11 | 6.70 | 7.75 | 8.45 |
| 12 | 7.80 | 9.00 | 9.75 |
| 13 | 9.10 | 10.40 | 11.25 |
| 14 | 10 60 | 12.10 | 13.10 |
| 15 | 12.40 | 14.15 | 15.25 |
| 16 | 14.50 | 16.50 | 17.70 |
| 17 | 16.90 | 19.10 | 20.50 |
| 18 | 19.60 | 22.00 | 23.50 |
| 19 | 22.60 | 25.30 | 27.10 |
| 20 | 26.00 | 29.10 | 31.20 |

EXTRAS.

**Knife**, advance 1 Inch.
**High Back Hf. Round** (Blunt), Cross (Blunt), and Feather Edge (Blunt), advance 2 In.

### Taper, Pitsaw and Hook Tooth Files.

| Inches. | 3 | 3½ | 4 | 4½ | 5 | 5½ | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tapers, Single Cut | $1.10 | $1.10 | $1.20 | $1.40 | $1.70 | $2.00 | $2.40 | $3.00 | $3.80 | $4.60 | $5.70 | $7.20 | $9.00 | 11.00 | 13.20 |
| Tapers, Double Cut | 1.60 | 1.60 | 1.75 | 2.00 | 2.40 | 2.75 | 3.25 | 4.00 | 4.95 | 5.90 | 7.10 | 8.80 | 10.80 | 12.90 | 15.20 |
| Slim Tapers, Single Cut | 1.20 | 1.20 | 1.30 | 1.45 | 1.70 | 1.90 | 2.10 | 2.50 | 3.00 | 3.70 | 4.50 | 5.50 | 6.80 | 8.30 | 10.00 |
| Slim Tapers, Double Cut | 1.80 | 1.80 | 1.90 | 2.10 | 2.40 | 2.60 | 2.85 | 3.30 | 3.90 | 4.70 | 5.60 | 6.75 | 8.20 | 9.75 | 11.50 |
| Double Ender Tapers | | | | | | | 2.40 | 2.40 | 2.60 | 2.90 | 3.40 | | 4.20 | | |
| Pitsaw, Blunt, Single Cut | 2.10 | 2.10 | 2.20 | 2.30 | 2.50 | 2.80 | 3.20 | 3.70 | 4.30 | 5.00 | 5.80 | 6.70 | 7.70 | | |
| Hooktooth, Blunt, Single Cut | | | | | | | 3.60 | 3.90 | 4.40 | 5.10 | 6.00 | 7.10 | 8.40 | | |

EXTRAS.
- Bandsaw, Heavy, Blunt, take Taper Double Cut Prices.
- Bandsaw, Light, Blunt, take Slim Taper Double Cut Prices. } Taper points same price.
- Cantsaw, Blunt, Single Cut.
- Round Gulleting, Blunt Single Cut. } Take Pitsaw Price.
- Round Off, Blunt, Single Cut, Take Hooktooth Price.
- Tapers, pointed at both ends (without handles), double the price of Slim Tapers of half their Length.

### Rasps, Cabinet and Wood Files.

| Inches. | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Horse Rasps, Plain | | | | | 6.50 | 7.50 | 9.00 | 10.70 | 12.70 | 15.00 | 17.60 | 20.50 | 23.70 |
| Horse Rasps, Beveled and 3-4 Rasp | | | | | 7.20 | 8.30 | 10.00 | 11.80 | 14.00 | 16.50 | 19.40 | 22.50 | 26.00 |
| Horse Rasps, Tanged | | | | | 9.00 | 10.25 | 12.00 | 14.00 | 16.50 | 19.50 | 23.00 | | |
| Wood Rasps, Half Round and Flat | $4.20 | 5.00 | 6.10 | 7.30 | 8.75 | 10.40 | 12.30 | 14.50 | 16.90 | 19.60 | 22.50 | | |
| Cabinet, Rasps | 6.00 | 7.00 | 8.20 | 9.60 | 11.20 | 13.00 | 15.00 | 17.20 | 19.60 | 22.20 | 25.00 | | |
| Cabinet, Files | 4.20 | 5.00 | 6.10 | 7.30 | 8.75 | 10.40 | 12.30 | 14.50 | 16.90 | 19.60 | 22.50 | | |
| Shoe Rasps, Half Round and Flat | 4.60 | 5.30 | 6.10 | 7.00 | 8.00 | 9.10 | 10.30 | 11.60 | 13.00 | | | | |
| Shoe Rasps, Oval | 5.30 | 6.10 | 7.00 | 8.00 | 9.10 | 10.30 | 11.60 | | | | | | |

EXTRAS.
- File Rasps, Flat and Half Round, take Flat and Half Round Wood Rasp price.
- Wood Files, Flat and Half Round, take Flat and Half Round Bastard price.
- Last Makers' Rasps, 1 Inch advance on Cabinet Rasp price

EXTRAS (GENERAL).

**One Round Edge,** Advance 7½ per cent, and Two Round Edges, 15 per cent on respective Kinds and Cuts.
**Blunt Files,** not specified, advance 1 Inch on respective Kinds and Cuts. Dead Smooth, double the price of Bastard.
**Equalings** (Bellied), advance 2 Inches on respective Kinds and Cuts.
**Sizes Below 4 Inches,** not extended, take 4 Inch price; 1-2 Inches not specified, take next higher full Inch price.
**Rough, Coarse, Union Cut, Brass or other than Regular Cuts** (not specified), made upon Regular or Standard shaped Blanks, advance 1 Inch on Respective Kinds and Cuts.
**Single, or Float Cut** (not specified), on Regular Shapes, take Double Cut Prices.
**Irregular Goods.**—All lengths above those listed, and Files varying from Standard sizes, to be classed as Irregular, and subject to special prices.

## HELLER'S HORSE RASPS

Exact width, thickness and appearance of centre section of 16 inch Horse Rasp.

| Inch | 14 | 15 | 16 |
|---|---|---|---|
| Per dozen | $12.70 | 15.00 | 17.60 |

Heller's Tanged Horse Rasps, 14 inch ..... Per dozen $16.50

Half dozen in a box.

## Heller's Horse Tooth Rasps

Plain.

Plain Jointed.

Adjustable Jointed.

Heller's Plain, Horse Tooth Rasps, length 21 inches ..... Per dozen $20.00
Heller's Plain Jointed, Horse Tooth Rasps, length 23 inches ..... Per dozen 30.00
Heller's Adjustable, Horse Tooth Rasps, length 20 inches ..... Per dozen 23.00
Heller's Adjustable Jointed, Horse Tooth Rasps, length 21 inches ..... Per dozen 33.00

One-twelfth dozen in a box,

## Jowitt's File List

| INCHES. | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flat, Half-Round, Round, Square, and Mill-saw Bastard | $1.15 | 1.40 | 1.70 | 2.10 | 2.50 | 3.10 | 3.60 | 4.30 | 5.20 | 6.00 | 7.20 | 8.70 | 10.30 | 14.50 |
| Mill-saw, Second-cut, and Half-round, Second Cut | 1.35 | 1.60 | 2.00 | 2.40 | 2.90 | 3.25 | 4.10 | 4.80 | 5.75 | 6.50 | 8.00 | ..... | ..... | ..... |
| Hand Bastard | 1.25 | 1.50 | 2.10 | 2.50 | 2.90 | 3.60 | 4.30 | 5.20 | 6.00 | 7.20 | 8.70 | 10.30 | 12.00 | ..... |
| Hand Smooth | 1.80 | 2.15 | 2.75 | 3.25 | 3.70 | 4.60 | 5.50 | 6.40 | 7.20 | 8.70 | 10.10 | 12.50 | 15.00 | ..... |
| Flat and Half-round Smooth Files | 1.60 | 2.00 | 2.30 | 2.80 | 3.25 | 3.70 | 4.60 | 5.50 | 6.40 | 7.20 | 8.70 | 10.10 | 12.50 | ..... |
| Cabinet Files and Rasps | | | | | | | | | | | | | | |
| Flat and Half-round Wood Rasps | | | | | | | | | | | | | | |
| Horse Rasps | ..... | ..... | ..... | 2.10 | 2.50 | 3.10 | 3.60 | 4.30 | 5.20 | 6.00 | 7.20 | 8.70 | 10.30 | ..... |
| Improved Bevelled-edge Horse Rasps | ..... | ..... | ..... | 2.30 | 2.70 | 3.25 | 4.00 | ..... | 5.50 | 6.50 | 8.00 | 9.50 | 11.20 | ..... |
| Tanged Horse Rasps | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.00 | 7.20 | 8.70 | 10.30 | 12.00 | ..... |
| Half-round Shoe Rasps | ..... | ..... | 2.10 | 2.50 | 3.10 | 3.60 | 4.30 | 5.20 | 6.00 | ..... | ..... | ..... | ..... | ..... |

| INCHES. | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 5 1-2 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Three-square Taper Files | $0.95 | 0.95 | 1.10 | 1.20 | 1.30 | 1.40 | 1.80 | 2.30 | 2.90 | 3.70 | 4.70 | 5.70 | 7.00 |
| Three-square Blunts | 1.20 | 1.20 | 1.30 | 1.60 | 1.80 | 2.10 | 2.30 | ..... | ..... | ..... | ..... | ..... | ..... |
| Pit or Frame Saw Files | ..... | ..... | ..... | 1.40 | 1.60 | 1.80 | 2.00 | 2.50 | 3.25 | 3.90 | 4.80 | 6.00 | 7.20 |

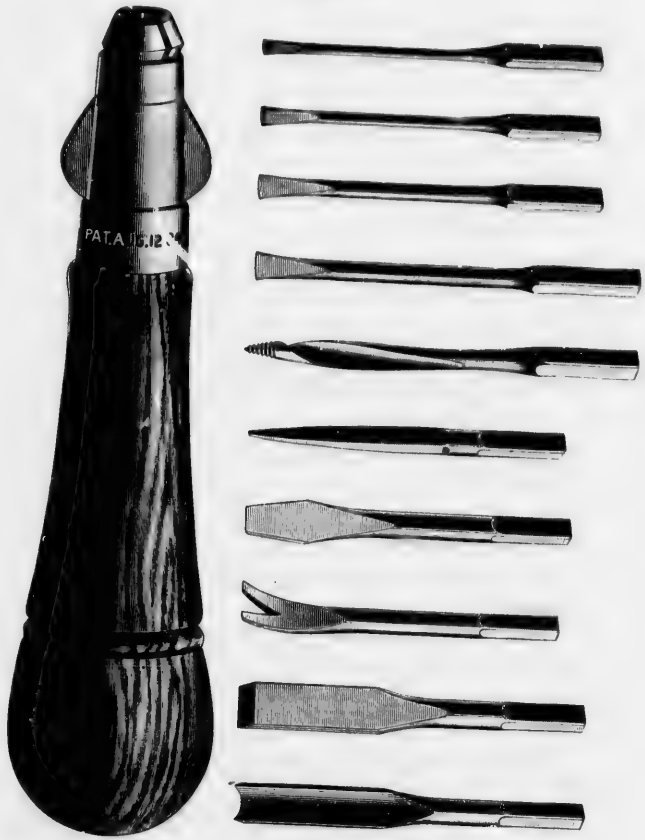
Round and Square Parallel Files, to advance one inch on their respective descriptions. Equalling, and Parallel Cotter Files, Bastard, to advance one inch on Flat Bastard prices. Shoe Kit Files, $1.25 per set.

No. 60—App
No. 61—Coe

## AWLS AND TOOLS

No Wrench Required.

Full size cuts.




Superior Thumb Nut and Gripe, Nickel Plated.

No. **60**—Applewood handle, 10 tools, as per cut except Reamer ..... Per dozen $8.25

No. **61**—Cocobolo handle, 10 tools, as per cut except Reamer ..... Per dozen 11.00

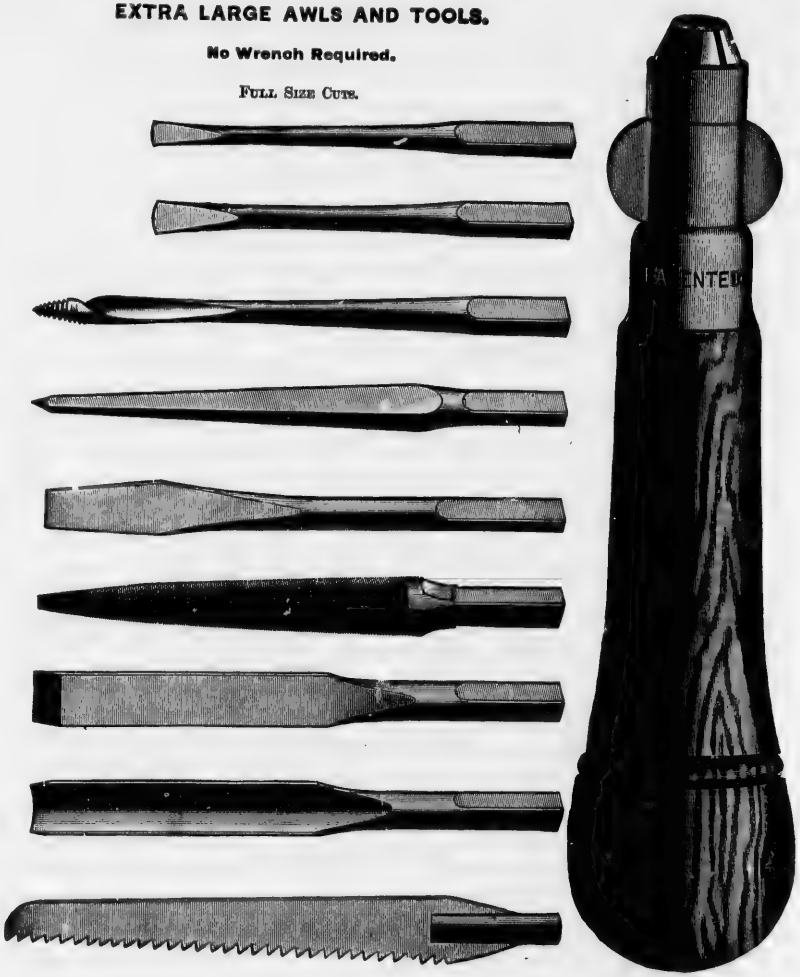
All tools contained in the handle.

Half dozen in a box.

## EXTRA LARGE AWLS AND TOOLS.

**No Wrench Required.**

FULL SIZE CUTS.

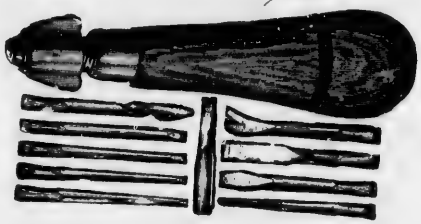


**Superior Thumb Nut and Gripe, Nickel Plated.**

No. **72.** Cocobolo Handle, 9 Large Cast Steel Tools, Extra Fine Finish, all contained in the Handle.....Per Dozen, $22. 00

HALF DOZEN IN A BOX.

## AWLS AND TOOLS



No. **5**—Buells' applewood handle, 10 tools ..... Per dozen $8.25
No. **4**—Buells' cocobolo handle, 10 tools ..... Per dozen 12.00

Half dozen in a box.

## Pricker Pads

No. **800**—Henry's Beechwood Pricker Pads, 8 tools ..... Per dozen $3.00
No. **631**—Henry's Boxwood Pricker Pads, 8 tools ..... Per dozen 4.00

One dozen in a box.

## Turnscrews

FRENCH'S.

**French's Beech Handle, Capped Ferrule, Round Blade**

| Inch | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $0.90 | 1.20 | 1.50 | 1.80 | 2.20 | 2.40 | 3.00 | 3.75 |

**No. 3218—Black Handle, Capped Ferrule, Round Blade**

| Inch | 4 | 4 1-2 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|
| Per dozen | $1.65 | 1.80 | 1.95 | 2.25 | 2.75 | 3.25 |

**No. 60—Black Handle, Capped Ferrule, Round Blade**

| Inch | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|
| Per dozen | $1.95 | 2.35 | 2.70 | 3.25 | 3.75 | 4.25 |

**No. 1—Standard Round Stained Handle, Capped Ferrule, Round Blade**

| Inch | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|
| Per dozen | $1.25 | 1.40 | 1.50 | 1.75 | 1.90 | 2.50 |

Half dozen in a box.

HENRY'S.

**Henry's Beechwood Varnished Handles**

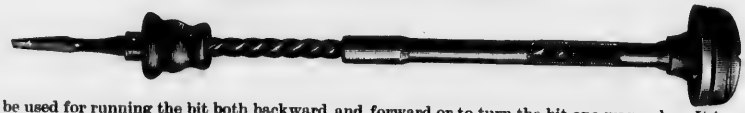
| Inch | 4 | 5 | 6 | 7 | 8 | 10 |
|---|---|---|---|---|---|---|
| Per dozen | $2.05 | 2.25 | 2.75 | 3.50 | 4.00 | 5.50 |

**No. 1—Plain Beechwood Handle, Capped Ferrule**

| Inch | 4 | 5 | 6 | 7 | 8 | 10 |
|---|---|---|---|---|---|---|
| Per dozen | $1.50 | 1.80 | 2.10 | 2.40 | 3.00 | 4.50 |

Half dozen in a box.

## REID'S "LIGHTNING" BRACES



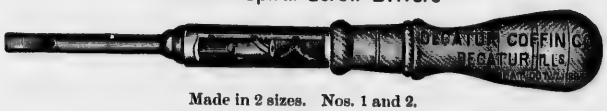
Can be used for running the bit both backward and forward or to turn the bit one way only. It is equally good for drilling wood or metal or for driving screws.

No. 1—With one screw driver bit ..... Each $3.00
No. 2—With two screw driver bits and one boring bit, smaller brace ..... Each 2.40

Extra springs, $0.15 each.

One (only) in a box.

## Eureka Spiral Screw Drivers



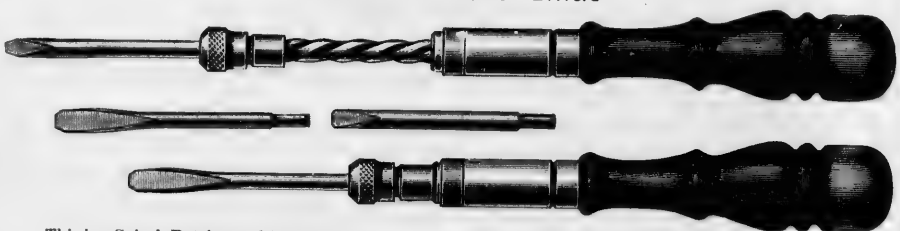

Made in 2 sizes. Nos. 1 and 2.

This is a Spiral or Automatic Screw Driver in which the bit is not removable. It is made in two sizes with best cast steel blade. The tube is of seamless brass and the tool is first-class in every respect.

No. 1—14 inches long when open, 9 inches when closed ..... Per dozen $15.00
No. 2—19 inches long when open, 12 inches when closed ..... Per dozen 18.50

Half dozen in a box.

## Howard Allard Screw Drivers



This is a Spiral, Ratchet and Plain Screw Driver all in one, with interchangeable screw driver bits of different sizes. A well made tool highly finished.

No. A1—Large size, with three forged steel bits ..... Per dozen $23.50

One-twelfth dozen in a box.

## Jones' Patent Reversible Screw Driver

With three forged steel bits ..... Per dozen $34.25

DIRECTIONS:

1st. Press the Spiral back in handle to furthest limit.

2nd. To adjust for driving screws, press the brass ring *hard* towards the forward end of handle, which will depress the forward end of shippers and place the driver in position for driving screws, and when in this position it may be used as a common driver to *drive* screws.

3rd. To adjust for drawing screws press the brass ring hard towards wood handle, which will depress the rear end of shippers and place the driver in position for drawing screws, when in this position it may be used as a common driver to drive screws.

*N. B.—Do not attempt to change position of adjusting ring without first pressing spiral back into handle to furthest limit.*

## CAST STEEL NAIL SETS.

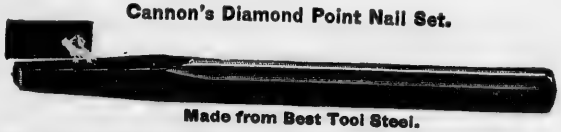
No. 1. Round Steel, Polished, Assorted Sizes.....Per Gross, $8.25

No. 3. Square Steel, Polished, Assorted Sizes.....Per Gross, $8.25

No. 5. Octagon Steel, Half Polished, Assorted Sizes .....Per Gross, 9.00

QUARTER GROSS IN A BOX.

## Cannon's Diamond Point Nail Set.

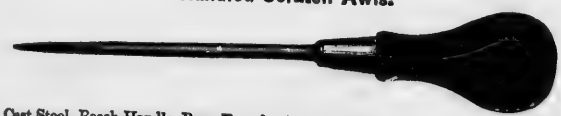


**Made from Best Tool Steel.**

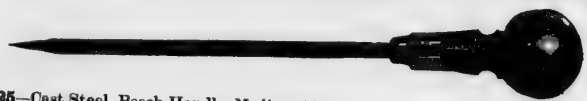
The Diamond Point prevents slipping from head of the nail. The point is turned, thoroughly tempered and will not break .....Per Dozen, .....

HALF DOZEN IN A BOX, ASSORTED SIZES

## Handled Scratch Awls.

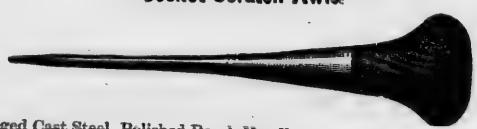


No. 1. Cast Steel, Beech Handle, Brass Ferrule, Assorted, Regular .....Per Gross, $7.20
No. 2. Cast Steel, Beech Handle, Brass Ferrule, Assorted, Large.....Per Gross, 8.50



No. 825—Cast Steel, Beech Handle, Medium Size.....Per Dozen $1.65

## Socket Scratch Awls.



No. 81B—Forged Cast Steel, Polished Beech Handle .....Per Dozen $2.25

ONE DOZEN IN A BOX.

## SHOULDERED BRAD AWLS

Briggs' Shouldered Brad Awls, assorted ..... Per gross $2.50
German Shouldered Brad Awls, assorted ..... Per gross 1.35

## Shouldered Pegging Awls

Briggs' Shouldered Pegging Awls, assorted ..... Per gross $3.25

## Patent Pegging Awls

No. **41**—Patent Pegging Awls, assorted ..... Per gross $0.75
German Patent Pegging Awls, assorted ..... Per gross .55

## Shoemakers' Tanged Sewing Awls

Briggs' Shoemakers' Tanged Sewing Awls, assorted ..... Per gross $2.40
No. **204**—Shoemakers' Tanged Sewing Awls ..... Per gross 1.00

## Shoemakers' Patent Sewing Awls

No. **51**—Shoemakers' Patent Sewing Awls, assorted ..... Per gross $2.50

## Saddlers' or Harness Awls, Tanged

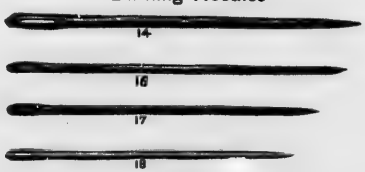
Briggs' Saddlers' or Harness Awls, Tanged, assorted ..... Per gross $2.85
No. **208**—Saddlers' or Harness Awls, Tanged, assorted, diamond ..... Per gross .75
No. **212**—Saddlers' or Harness Awls, Tanged, assorted, round ..... Per gross .75

One gross in a box or package.

## Double Pointed Upholsterers' Needles

| Inches | 10 to 16 |
|---|---|
| Per gross | $21.00 |

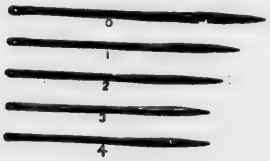
## Darning Needles




| Nos | 14 | 15 | 16 | 17 |
|---|---|---|---|---|
| Per thousand | $6.00 | 4.50 | 3.50 | 3.00 |

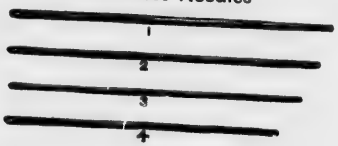
Twenty-five in a paper.

## GLOVERS' NEEDLES



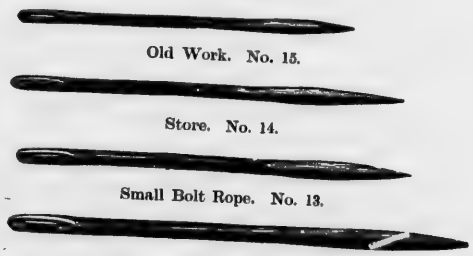

Nos. 0, 1, 2, 3, 4—All numbers ..... Per 1000 $5.25

## Harness Needles




Nos. 1, 2, 3, 4—All numbers ..... Per 1000 $4.50

## Sail Needles



Old Work. No. 15.

Store. No. 14.

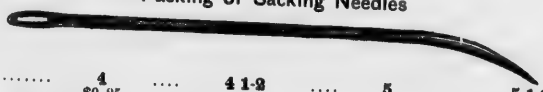
Small Bolt Rope. No. 13.

Large Bolt Rope. No. 12.

| Nos | 15 | | 14 | | 13 | | 12 |
|---|---|---|---|---|---|---|---|
| Per 100 | $1.65 | .... | 1.80 | .... | 2.10 | .... | 2.75 |

All above twenty-five in a paper.

## Packing or Sacking Needles

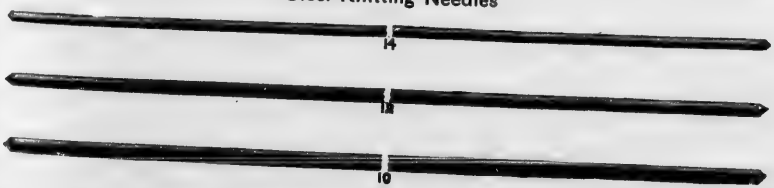


| Inches | 4 | | 4 1-2 | | 5 | | 5 1-2 | | 6 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.25 | .... | .28 | .... | .30 | .... | .40 | .... | .45 |

Twenty-five in a package.

Spring Eye Packing Needles ..... Per dozen $1.50

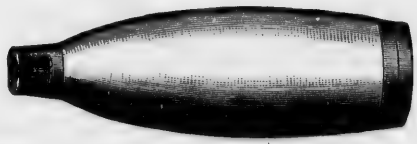
## Steel Knitting Needles




| Nos | 12 | | 13 | | 14 | | 15 | | 16 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.90 | .... | .85 | .... | .75 | .... | .70 | .... | .70 |

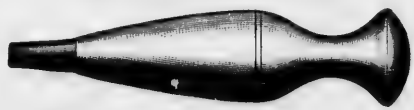
Quarter gross in a package.

## PEGGING AWL HAFTS.



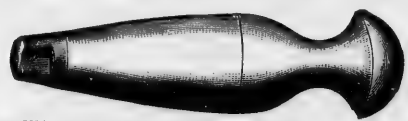
No. **49.** Pat. Hickory, Plain Top, Steel Screw and Nut, with Wrench ..... Per Dozen, $0.90
No. **51.** Pat. Hickory, Leather Top, Steel Screw and Nut, with Wrench.....Per Dozen, 1.00

## Common Sewing Awl Hafts.



No. **21** Beech, with Brass Ferrule, Assorted Sizes.....Per Dozen, $0.40

## Patent Sewing Awl Hafts.



No. **46.** Appletree Wood, Steel Screw and Nut, with Wrench.....Per Dozen, $1.00

## Brad Awl Handles.

No. **30.** Brass Ferrules, Assorted Sizes.....Per Dozen, $0.40

### Handled Brad Awls

Marples' Beech, 840 Round, Assorted .....Per Gross, $9.00
Marples' Beech, 841 Oval, Assorted .....Per Gross, 9.75

## Screw Driver Handles.

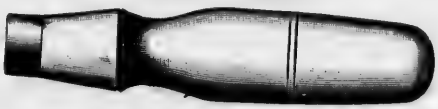
No. **650.** Brass Ferrules, Assorted, Large .....Per Dozen, $1.00

### Marples' Varnished Beechwood

| Inch | 5 | 6 | 7 | 8 | 10 | 12 |
|---|---|---|---|---|---|---|
| Per Dozen | $1.65 | 1.80 | 2.25 | 2.55 | 3.15 | 3.45 |

Nos. 30 and 21 Quarter Gross in a Box; Others, One Dozen.

## CHISEL HANDLES

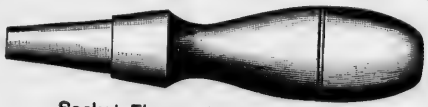


### Tanged Firmer Chisel Handles

No. **31**—Assorted, 6 sizes.....Per gross $5.00
No. **33**—Assorted, 4 large sizes.....Per gross 5.75
No. **35**—Assorted, 2 large sizes.....Per gross 6.50
No. **37**—Extra large.....Per gross 8.25

APPLEWOOD.

No. **43**—Assorted, 4 large sizes.....Per gross 6.50
No. **45**—Assorted, 2 large sizes.....Per gross 7.25



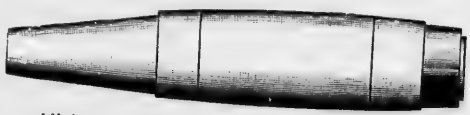
### Socket Firmer Chisel Handles

HICKORY.

No. **51**—Assorted, 6 sizes.....Per gross $4.00
No. **53**—Assorted, 4 sizes.....Per gross 4.50

APPLEWOOD

No. **63**—Assorted, 4 sizes.....Per gross 5.75

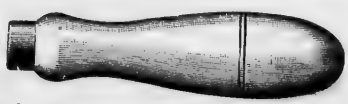


### Hickory Socket Framing Chisel Handles

No. **73**—Assorted, 4 sizes.....Per gross $6.75

All Chisel Handles one dozen in a box.

## File Handles



No. **21**—File Handles with brass ferrules, assorted, 4 sizes.....Per gross $3.00
No. **50**—File Handles, brass ferrules, extra large.....Per gross 4.50

## Brass Ferrules

| Nos. | 00 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diameter, inside, inch | 1 | 15-16 | 7-8 | 13-16 | 3-4 | 11-16 | 5-8 | 9-16 | 1-2 | 7-16 | 3-8 |
| Per gross | $1.50 | 1.30 | 1.10 | .88 | .75 | .70 | .65 | .55 | 45 | .45 | .45 |

No. 8. No. 7. No. 6. No. 5. No. 3. No. 1.

One gross in a box.

## SOLDERING COPPER HANDLES

No. **670**—Made from soft wood, well wired..... .....Per gross $4 80

One-quarter gross in a box.

## Auger Handles

Assorted Auger Handles ..... ..... .....Per dozen $0.70

## Saw and Plane Handles

### Saw Handles.

No. **2**—Plain beech .....Per dozen $1.50
No. **3**—Polished and varnished .....Per dozen 1.65
No. **18**—Polished and varnished, for panel saws. .....Per dozen 1.80

One dozen in a package.

Jack Plane Handle, No. 10. Jointer Plane Handle, No. 12.

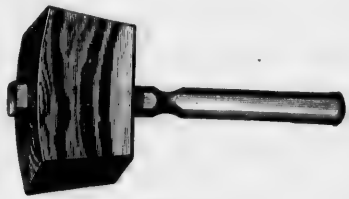
### Plane Handles.

No. **10**—Jack Plane Handles.....Per dozen $0.45
No. **12**—Jointer Plane Handles .....Per dozen .60

One dozen in a package.

## WOOD MALLETS

Nos. 3 to 7.
Round Mallets.



Nos. 10 to 13.
Square Mallets.

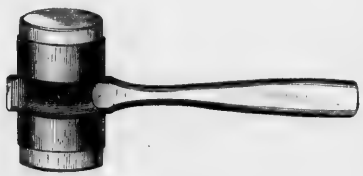
No. **3**—Round hickory, size of head 6 x 4 inches ..... Per dozen $3.30
No. **6**—Round lignumvitæ, size of head 5 1-2 x 3 1-2 inches ..... Per dozen 5.25
No. **7**—Round lignumvitæ, size of head 6 x 4 inches ..... Per dozen 6.75
No. **10**—Square hickory, size of head 7 x 3 x 4 inches ..... Per dozen 3.90
No. **12**—Square lignumvitæ, size of head 6 1-2 x 2 3-4 x 3 3-4 inches ..... Per dozen 6.50
No. **13**—Square lignumvitæ, size of head 7 x 3 x 4 inches ..... Per dozen 7.50

### Round Tinners' Mallets

No. **4**—Round hickory, size of head 5 1-2 inches long, assorted, 2 1-4 and 2 1-2 inches ..... Per dozen $1.90

## Iron Bound Mallets

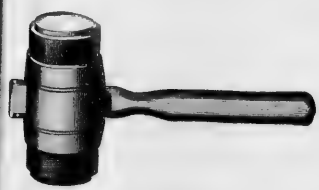
No. 15.



No. 16.

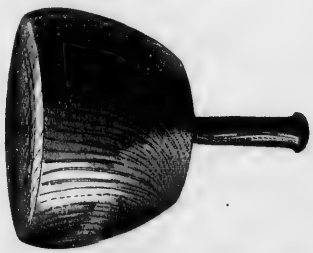
No. **15**—Iron, with hickory ends, 2 1-2 inches diameter ..... Per dozen $5.25
No. **16**—Heavy malleable socket, hickory ends, 3 inches diameter ..... Per dozen 9.75

## Iron Ring Mallets



No. 14½.

## Stone Cutters' Mallets



No. **14 1-2**—Hickory, iron ring, size of head 5 1-2 x 3 1-2 inches ..... Per dozen $5.25

### Stone Cutters' Mallets, Hickory

7 1-2 to 7 3-4 pounds each ..... Per dozen $30.00
8 pounds each ..... Per dozen 35.00

## WROUGHT IRON BENCH SCREWS.

**Double Thread, Wood Handle, Movable Collar.**

| Diameter of Screw, Inches..... | 1 | 1 1-8 | 1 1-4 |
|---|---|---|---|
| Per Dozen..... | $6.00 | 6.50 | 7.25 |

## Wood Bench Screws.



**V Thread, Thoroughly Seasoned.**

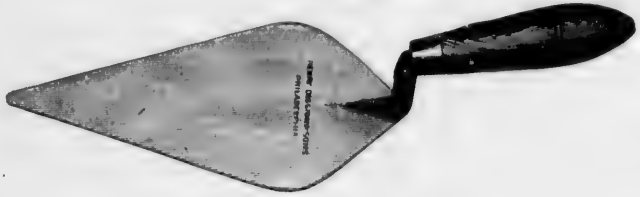
| Inches..... | 2 1-2 |
|---|---|
| Per Dozen..... | 4.50 |

## Locomotive Jack Screws.

| Diameter of Screw, Inches. | Height of Stand, Inches. | Height Over All, Inches. | List Price. Each. |
|---|---|---|---|
| 1 1-2 | 6 | 10 | $ 3.75 |
| 1 1-2 | 8 | 12 | 4.25 |
| 1 1-2 | 10 | 14 | 4.75 |
| 1 1-2 | 12 | 16 | 5.25 |
| 1 3-4 | 10 | 14 | 5.75 |
| 1 3-4 | 12 | 16 | 6.25 |
| 1 3-4 | 14 | 18 | 6.75 |
| 1 3-4 | 16 | 20 | 7.50 |
| 2 | 12 | 16 1-2 | 7.50 |
| 2 | 14 | 18 1-2 | 8.25 |
| 2 | 16 | 20 1-2 | 9.25 |
| 2 | 18 | 22 1-2 | 10.25 |
| 2 | 20 | 24 1-2 | 11.50 |
| 2 1-4 | 14 | 19 | 10.00 |
| 2 1-4 | 16 | 21 | 11.00 |
| 2 1-4 | 18 | 23 | 12.00 |
| 2 1-4 | 20 | 25 | 13.25 |
| 2 1-4 | 22 | 27 | 14.50 |
| 2 1-2 | 19 | 24 | 14.50 |
| 2 1-2 | 20 | 26 | 15.75 |
| 2 1-2 | 22 | 28 | 17.00 |
| 2 1-2 | 24 | 30 | 18.25 |

## TROWELS

### London Pattern Brick



No. 2030. Brades' Extra Cast Steel

| Inch | 10 1-2 | 11 | 11 1-2 | 12 | 12 1-2 | 13 |
|---|---|---|---|---|---|---|
| Per dozen | $15.00 | 15.50 | 16.00 | 16.50 | 17.00 | 17.50 |

Disston's Extra Cast Steel

| Inch | 11 1-2 | 12 | 13 |
|---|---|---|---|
| Per dozen | $16.25 | 17.75 | 19.00 |

### German Brick Trowels

No. 810—10 1-2 inch, cast steel ..... Per dozen $4.75

### Philadelphia Pattern Brick

Disston's Extra Cast Steel

| Inch | 11 1-2 | 12 |
|---|---|---|
| Per dozen | $18.00 | 19.00 |

Wm. Rose & Bros.' Extra Cast Steel

| Inch | 11 | 11 1-2 | 12 |
|---|---|---|---|
| Per dozen | $21.50 | 22.50 | 23.00 |

### Masons' Trowels

Brades' Edinburgh Pattern Extra Cast Steel

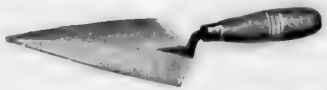
| Inch | 8 | 8 1-2 |
|---|---|---|
| Per dozen | $12.00 | 12.75 |

Half dozen in a box or package.

| List Price Each. |
|---|
| $ 3.75 |
| 4.25 |
| 4.75 |
| 5.25 |
| 5.75 |
| 6.25 |
| 6.75 |
| 7.50 |
| 7.50 |
| 8.25 |
| 9.25 |
| 10.25 |
| 11.50 |
| 10.00 |
| 11.00 |
| 12.00 |
| 13.25 |
| 14.50 |
| 14.50 |
| 15.75 |
| 17.00 |
| 18.25 |

## TROWELS

### Pointing Trowels



### Gauging Trowels

**Pointing Trowels—Cast Steel**

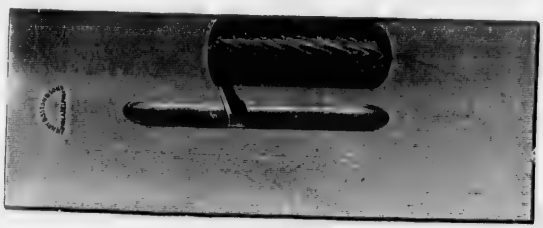
| | | | | | | |
|---|---|---|---|---|---|---|
| Inch | | | 5 | | | 6 |
| No. 4155 | Per dozen | $3.50 | | | | 4.00 |
| Inch | | 4 | | 5 | | 6 |
| American cast steel | Per dozen | $4.25 | | 4.50 | | 5.00 |

**Gauging Trowels**

Brade's, 7 inch, extra cast steel.....Per dozen $11.25

Half dozen in a box or package.

### Plastering Trowels



**Shurly & Dietrich**

No. 2—Cast Steel.

| | | | | | |
|---|---|---|---|---|---|
| Inch | 11 | 11 1-2 | 12 | 12 1-2 | 13 |
| Per dozen | $13.20 | 13.80 | 14.40 | 15.00 | 15.60 |

No. 1 - Silver Steel.

| | | | | | |
|---|---|---|---|---|---|
| Inch | | | 11 1-2 | | 12 |
| Per dozen | | | $19.00 | | 20.00 |

One-quarter dozen in a box.

**Disston's Cast Steel No. 2**

| | | | | | |
|---|---|---|---|---|---|
| Inch | 11 | | 11 1-2 | | 12 |
| Per dozen | $18.75 | | 20.25 | | 22.50 |

Half dozen in a box.

**Woodrough & McFarlins' Extra Cast Steel**

| | | | | | |
|---|---|---|---|---|---|
| Inch | 11 1-2 | | 12 | | 12 1-2 |
| Per dozen | $22.00 | | 23.00 | | 24.00 |

One-third dozen in a box.

### Combined Wrench and Turnscrew

Half size cut.

**Combined Wrench and Turnscrew**

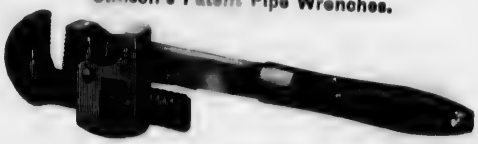
No. 1241—Nickel-plated, tempered steel.....Per dozen $1.50

Will fit square or hexagon nuts, 1-4 to 3-4 inch.

One dozen on a card.

## WRENCHES.

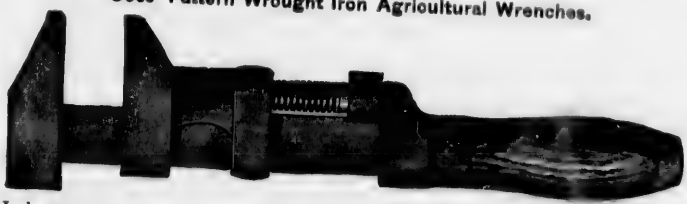
### Stillson's Patent Pipe Wrenches.



**Steel Bar and Head.**

| Inches | 6 | 8 | 10 | 14 | 18 | 24 |
|---|---|---|---|---|---|---|
| Capacity, Inches | | | 1-8 to 1 | 1-4 to 1 1-2 | 1-4 to 2 | 1-4 to 2 1-2 |
| Each | $2.00 | 2.00 | 2.25 | 3.00 | 4.00 | 6.00 |

### Coes' Pattern Wrought Iron Agricultural Wrenches.



| Inches | 6 | 8 | 10 | 13 | 15 |
|---|---|---|---|---|---|
| Will Open, Inches | 7-8 | 1 1-4 | 1 3-4 | 2 1-2 | 2 3-8 |
| Black, Per Dozen | $3.25 | 3.50 | 4.25 | 4.75 | 8.50 |

Half Dozen in a Package.

### Coes' Genuine Wrenches.

**Knife Handle, Reinforced Bar.**

| Inches | 6 | 8 | 10 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|
| Will Open, Inches | 7-8 | 1 1-4 | 1 3-4 | 2 1-8 | 2 5-8 | 3 | 4 1-8 |
| Black, Per Dozen | $9.00 | 10.00 | 12.00 | 14.00 | 24.00 | 30.00 | 36.00 |

8 to 12, Half Dozen in a Package; Others, One-Third Dozen.

## ALLIGATOR WRENCHES

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Per dozen | $2.75 | 7.00 | 15.00 |
| Holds pipe, inch | 1-8 to 3-8 | 3-8 to 3-4 | 1-2 to 1 1-4 |
| Holds round iron, inch | 1-4 to 3-4 | 1-2 to 1 | 3-4 to 1 3-8 |
| Length, inch | 5 3-4 | 10 | 16 |

## Improved Adjustable "S" Wrench

No. 48.

| Inch | 8 | 10 | 12 | 14 |
|---|---|---|---|---|
| Per dozen | $13.50 | 18.00 | 22.50 | 32.00 |
| Opens, inch | 1 | 1 3-8 | 1 5-8 | 2 |

Short Nut.

## Engineers' Wrenches

Combination. Wrought Bar. All Case Hardened.

Short Nut. Black.

| Inch | 10 | 12 | 15 |
|---|---|---|---|
| Holds pipe, inch | 1-4 to 1 | 1-2 to 1 3-4 | 1-2 to 2 1-4 |
| Per dozen | $25.50 | 26.00 | 34.00 |

Long Nut. Bright.

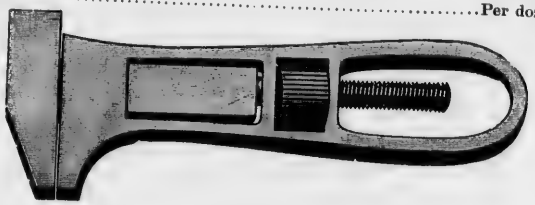
| Inch | 12 | 15 |
|---|---|---|
| Holds pipe, inch | 1-2 to 1 3-4 | 1-2 to 2 1-4 |
| Per dozen | $33.50 | 48.00 |

Long Nut.

## POCKET WRENCHES

Nos. 21 and 22. Full size cut of 4 inch.

| Inch | 4 | .... | 6 |
|---|---|---|---|
| No. 21—Bright ..... Per dozen | $3.00 | .... | 5.75 |
| No. 22—Nickel-plated ..... Per dozen | 3.30 | .... | 6.00 |



### Star Wrench

No. 1—4 inch, Star, Tinned, Pocket Wrenches ..... Per dozen $1.65
5 inch, Nickel-Plated Pocket Wrenches ..... Per dozen 3.75

### The "Gem" Pocket Bicycle Wrench

Substantial and Reliable.

3 inch, Gem Pocket Wrench, nickel-plated ..... Per dozen $7.00
4 inch, Gem Pocket Wrench, nickel-plated ..... Per dozen 7.75

One dozen in a box.

### Baxter's (Pattern) Wrenches

Baxter's S Wrench.

S Pattern.

| Inch | 4 | 6 | 8 |
|---|---|---|---|
| Per dozen | $5.25 | 7.50 | 10.00 |

Half dozen in a box.

### "Always Ready" Wrenches

Nickel-Plated, Forged Steel, Oil Tempered.

No. 1—Holds 1-4 to 3-4 inch square or round iron ..... Per dozen $7.50
No. 2—Holds 1-4 to 1 1-4 inch square or round iron ..... Per dozen 9.75
No. 2 1-2—Holds 1-4 to 1 3-4 inch square or round iron ..... Per dozen 14.50
No. 3—Holds 3-4 to 2 inch square or round iron ..... Per dozen 21.00

This Wrench will hold and turn square and round iron, or pipe, and is "Always Ready" without adjusting.

Half dozen in a box.

## CHOPPING AXES

### Climax

Climax, gold bronzed ..... Per dozen $8.75

Assorted weights.

## CHOPPING AXES

"Black Prince"

Ontario Pattern

Black Prince, gold bronzed, extra refined cast steel ..... Per dozen $11.00

Assorted weights.

## CHOPPING AXES

### "Black Prince"

British Columbia Pattern.

"Black Prince," goldbronzed, British Columbia Pattern..... .....Per dozen $11.00

Extra refined cast steel.

Assorted weights.

## CHOPPING AXES

### Whiting's Clipper

Whiting's Clipper, extra refined cast steel.....Per dozen $11.25

Assorted weights.

## CHOPPING AXES

### "Solid Steel"

Round Poll.

"Solid Steel," extra triple steel, full polished and etched..... .....Per dozen $13.00

Assorted weights

## CHOPPING AXES

### "Model"

"Model," forged bevel, hand hammered, extra refined cast steel ..... Per dozen $14.50

Assorted weights.

### Handled Axes

| | |
|---|---|
| EUREKA Handled Chopping Axes | Per dozen $11.50 |
| CLIMAX Handled Chopping Axes | Per dozen 11.75 |
| BLACK PRINCE Handled Chopping Axes | Per dozen 14.00 |
| Boys' Handled Axes, 28 inch handles, CONGO | Per dozen 8.25 |
| Boys' Handled Axes, extra cast steel, 28 inch handles | Per dozen 9.75 |
| Hunters' Handled Axes, 16 inch handles, CONGO | Per dozen 6.75 |
| Hunters' Handled Axes, 16 inch handles, extra cast steel | Per dozen 9.50 |

Assorted weights, 2½ to 3 lbs.

## CHOPPING AXES

### Hudson's Bay Pattern

Hudson's Bay Axes, gold bronzed..... 3-4 to 4 1-2 lbs.

Special prices for specifications, giving weights, on application.

DOUBLE BITTED AXE

Ontario Pattern




Ontario Pattern, gold bronzed, extra refined cast steel..... Per dozen $18.75

Ground thin. Weights assorted.

..... 3-4 to 4 1-2 lbs.

## DOUBLE BITTED AXE

### British Columbia Pattern

British Columbia Pattern, gold bronzed, extra refined cast steel, inserted.....Per dozen $

Assorted weights.

Weight.....
Per dozen.....

British Columbia Pattern, gold bronzed, extra refined cast steel, inserted.....Per dozen $

Assorted weights.

## BROAD AXES

### Ottawa Pattern

| Weight..... | 5 1-2 to 7 1-2 | 7 3-4 to 9 1-4 | 9 1-2 to 12 lbs. |
|---|---|---|---|
| Per dozen..... | $33.00 | 36.00 | 40.00 |

## HANDLED BENCH AXES

### Warnock's Extra Cast Steel

| No. | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|
| Width of cut—inch | 5 | 5½ | 6 | 6½ | 7½ |
| Per dozen | $13.00 | 14.50 | 16.00 | 18.00 | 19.50 |

### "Star" Cast Steel

| No. | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|
| Width of cut—inch | 5 | 5½ | 6 | 6½ | 7½ |
| Per dozen | $13.00 | 14.50 | 16.00 | 18.00 | 19.50 |

Half dozen in a box.

BROAD'S Ex

## SHIP CARPENTERS' AXES

BROAD'S Extra Cast Steel Ship Axes ..... Per dozen $33.00

## SHIP CARPENTERS' ADZES

PLAIN.

**BROAD'S Extra Cast Steel Ship Adzes, plain**.....Per dozen $30.00
**WARNOCK'S Extra Cast Steel Ship Adzes, plain**.....Per dozen 23.75

## SHIP CARPENTERS' ADZES

LIPPED.

BROAD'S Extra Cast Steel Ship Adzes, lipped..... Per dozen $35.00
WARNOCK'S Extra Cast Steel Ship Adzes, lipped..... Per dozen 27.00

## HOUSE CARPENTERS' ADZES

**STAR Cast Steel Carpenters' Adzes, iron poll** ..... Per dozen $18.00
**WARNOCK'S Extra Cast Steel Carpenters' Adzes** ..... Per dozen 21.00
**WARNOCK'S Extra Cast Steel Railroad Adzes, 5 inch cut** ..... Per dozen 27.00

**Gold bronzed.**

One dozen in a box.

## CROW BARS

Chisel point, solid steel ..... Per pound $0.07

Wedge point, solid steel ..... Per pound $0.07

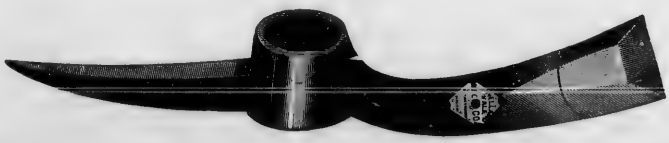
## Grub Hoes

Grub Hoes, round eye, extra finish, wide cut ..... Per dozen $10.50

## Cutter Mattocks

Adze eye, extra finish, Long Cutter ..... Per dozen $10.00

## Pick Mattocks



Adze eye, extra finish ..... Per dozen $10.00

## PICKS

Clay Pick.

Miners' Drifting Pick.

Miners' Ore Hammer or Poll Pick.

San Juan Mining Pick.

### Clay Picks

Solid Eye, Cast Steel Points.

| | | | |
|---|---|---|---|
| Weight, lbs | 5 to 6 | 6 to 7 | 7 to 8 |
| Per dozen | $7.25 | 7.75 | 8.50 |

### Miners' Drifting Picks

Solid Cast Steel.

4 1-2 to 5 lbs. each.....Per dozen $16.00

### Ore Hammer or Poll Picks

Solid Cast Steel.

3 1-2 lbs. each.....Per dozen $12.50

### Rock Picks

Solid Eye, Cast Steel Points.

6 to 7 lbs. each .....Per dozen $10.50

### San Juan Mining Pick

Solid Cast Steel.

5 lbs. each..... ....Per dozen $17.00

San Juan Mining Pick.

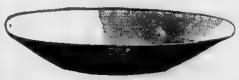
. 7 to 8
8.50

icks
Steel Points.
. Per dozen $10.50

ning Pick
Steel.
. Per dozen $17.00

## PROSPECTORS' PICKS

Prospector's Picks, solid cast steel, 2 and 2½ lbs. without handles..... .....Per dozen $10.00



### Gold Miners' Pans

Polished, 16¼ x 2⅜ inches..... ...Per dozen $7.25

### Miners' Lamps

**Monongahela**

Heavy, solid hinge top, large spout .....Per dozen $3.00

## LATHING HATCHETS

With Hickory Handles.

**Solid Cast Steel, Boston Pattern.**

Forged from Extra Refined Tool Steel, and Full Polishe

No. **40**—Width of cut 2 1-4 inch ..... Per dozen $10.00

**Solid Cast Steel, Bell Face, Adze Eye.**

Forged from Extra Refined Tool Steel, and Full Polished.

No. **41**—Width of cut, 2 1-4 inch ..... Per dozen $9.50

**Plain or Check Head.**

Steel Head. Silver Steel Blade. Bronze Finish.

| | | | |
|---|---|---|---|
| No. **42** | **1** | ... | **2** |
| Width of cut, inch | 2 1-2 | ... | 2 3-4 |
| Per dozen | $6.50 | .... | 7.00 |

Solid Cast Steel. Full Polish.

| | | | |
|---|---|---|---|
| No. **42** F.P. | **1** | .... | **2** |
| Width of cut, inch | 2 1-2 | .... | 2 3-4 |
| Per dozen | $8.00 | .... | 8.50 |

Half dozen in a box.

## SHINGLING AND CLAW HATCHETS

With Hickory Handles.

No. 35.

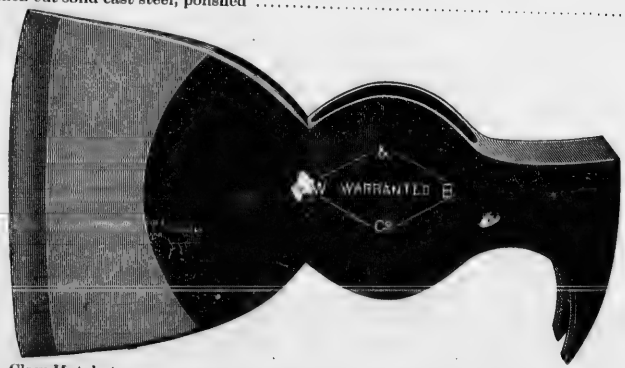
**Steel Head, Silver Steel Blade, Bronze Finish**

| No. 35 | 1 | 2 |
|---|---|---|
| Width of cut—inch | 3 1-2 | 3 7-8 |
| Per dozen | $6.50 | 6.75 |

No. 36.

**Solid Cas Steel, Full Polish**

No. **36** x **1**—3 1-2 inch cut solid cast steel, polished ..... Per dozen $8.50




CONGO Cast Steel Claw Hatchets ..... Per dozen $7.25
No. **39** x **2**—Steel head, silver steel blade, bronzed, 3 7-8 inch cut ..... Per dozen 8.00
Half dozen in a box.

## OIL CLOTH BINDING

ZINC.

**6-4**—6 yards to set.....Per dozen sets $2.75
**8-4**—8 yards to set.....Per dozen sets 3.75

BRASS.

**6-4**—6 yards to set.....Per dozen sets $3.50
**8-4**—8 yards to set.....Per dozen sets 5.75

One dozen sets with corners and pins in a box. The pins for securing the binding to oilcloth complete the pattern, by continuing raised dots running along middle of strip.

## Tack Claws

No. 6810.

Cut does not show fluted handle.

No. **6810**—Fluted wood handle.....Per dozen $1.25

One dozen in a box.

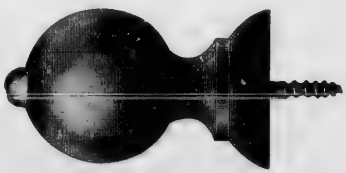
## Little Giant Tack Pullers

Polished Black Handle.

Little Giant Tack Pullers.....Per dozen $1.50

One dozen in a box.

## Door Stops



Improved Rubber Tipped, Iron Screws, Natural Wood, Polished.

Black walnut, 2 1-2 inch.....Per gross $4.50
Maple, 2 1-2 inch.....Per gross 4.25

One-quarter gross in a box.

## CARPET STRETCHERS

Half size cut of No. 5.

No. 5—Japanned, Polished Blade.

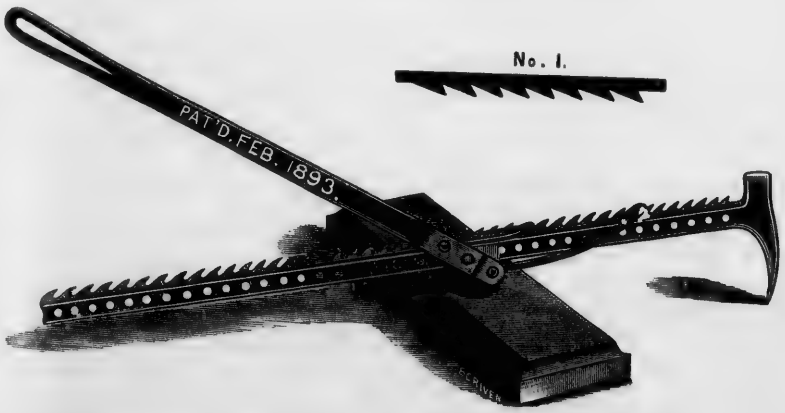
No. 5—Cast steel blade and points.....Per dozen $1.30

One dozen in a box.

## Bullard's Patent Carpet Stretcher

Bullard's Carpet Stretcher .....Per dozen $8.25

## Double-Action Automatic Self-Locking Carpet Stretcher




The bottom part of Stretcher that engages with carpet, is constructed with ten sections of hooked teeth (of which figure "1" represents one section). Every motion of the lever brings the carpet FORWARD TO POSITION. By simply lifting the long loop the sliding bar can be run out to its farthest point. Self-locking while tacking carpet.

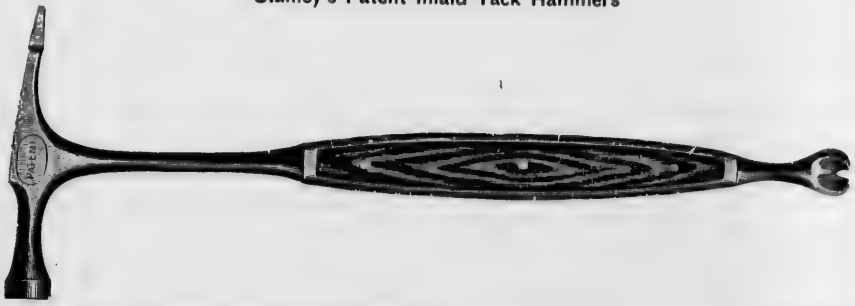
Automatic Carpet Stretcher.....Per dozen $12.00

## TACK HAMMERS

Half size cuts.

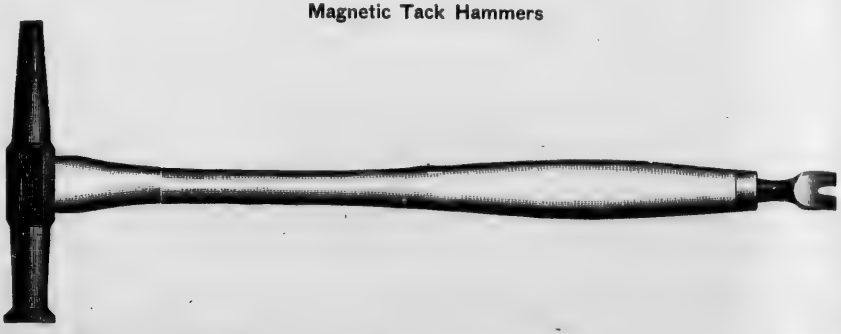
No. **15**—Polished Hammer, hickory handle, steel claw.....Per dozen $1.15
No. **12**—Polished Hammer, hickory handle with claw.....Per dozen 1.03

### Stanley's Patent Inlaid Tack Hammers




No. **4**—Malleable iron, hardened face, inlaid with black walnut.....Per dozen $2.75

### Magnetic Tack Hammers



No. **2** or **19**—Medium size, magnetic head, with wood handle and claw .....Per dozen $1.80

All above one dozen in a box.

## TACK HAMMERS

No. 0—Japanned.....Per dozen $0.70

One dozen in a box.

Phœnix

No. 0—Handy Tack Hammers.....Per dozen $1.00
No. 0—Phœnix Tack Hammers.....Per dozen 1.50

One dozen in a box.

## Upholsterers' Hammers

No. 10118—French Pattern, oval handle.....Per dozen $7.50

Half dozen in a package.

## ADZE EYE NAIL HAMMERS

Full size, 1⅛.

### Adze Eye

**No. 2—Cast Iron Polished Adze Eye** ..... Per dozen $2.25

**Cast Steel (Varnished Hickory Handles)**

| | Cox's No. 1 1-2 | Shaw's No. 1 |
|---|---|---|
| Weight without handles | 1 lb. | 1 lb. 4 oz. |
| Per dozen | $5.00 | 6.00 |

**Extra Cast Steel (Varnished Hickory Handles)**

| Nos. | 1 | 1 1-2 | 3 |
|---|---|---|---|
| Weight without handles | 1 lb. 4 oz. | 1 lb. | 7 oz. |
| Per dozen | $7.50 | 7.00 | 6.25 |

Full size, 1⅛.

### Adze Eye, Bell Face

**Cast Steel (Varnished Hickory Handles)**

| | Cox's No. 1 1-2 |
|---|---|
| Weight without handles | 1 lb. |
| Per dozen | $5.00 |

**Extra Cast Steel (Varnished Hickory Handles)**

| Nos. | 1 | 1 1-2 |
|---|---|---|
| Weight without handles | 1 lb. 4 oz. | 1 lb. |
| Per dozen | $7.50 | 7.00 |

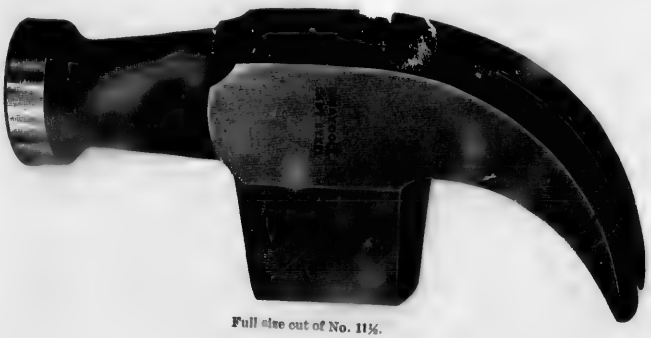
Half dozen in a box.

## MAYDOLE'S SOLID CAST STEEL HAMMERS

Full size cut of No. 1.

### Adze Eye

| Nos. | 1 | | 1 1-2 |
|---|---|---|---|
| Weight without handles | 1 lb. 4 oz. | | 1 lb. |
| Per dozen | $12.00 | | 10.50 |



Full size cut of No. 11½.

### Adze Eye, Bell Face

| Nos. | 11 | | 11 1-2 |
|---|---|---|---|
| Weight without handles | 1 lb. 4 oz. | | 1 lb. |
| Per dozen | $12.00 | | $10.50 |

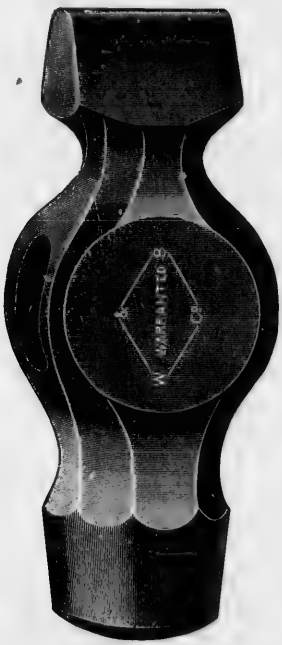
Half dozen in a box.

## MACHINISTS' HAMMERS

No. 12. Ball Pein.

Full size, 6.

No. 13. Straight Pein.




Full size, 4.

No. 14. Cross Pein.

Full size, 4.

Weights given do not include handles.

No. **12**—Ball Pein. Varnished Hickory Handles.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Weight, lbs | 8 | 2 1-2 | 2 1-4 | 2 | 1 3-4 | 1 1-2 | 1 1-4 | 1 | 3-4 | 1-2 | 3-8 |
| Per dozen | $22.00 | 19.00 | 17.50 | 16.50 | 15.50 | 14.50 | 13.50 | 12.50 | 12.00 | 12.00 | 12.00 |

No. **13**—Straight Pein. Varnished Hickory Handles.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Weight, lbs | 2 1-4 | 2 | 1 3-4 | 1 1-2 | 1 1-4 | 1 | 3-4 |
| Per dozen | $17.50 | 16.50 | 15.50 | 14.50 | 13.50 | 12.50 | 12.00 |

No. **14**—Cross Pein. Varnished Hickory Handles.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Weight, lbs | 2 1-4 | 2 | 1 3-4 | 1 1-2 | 1 1-4 | 1 | 3-4 |
| Per dozen | $17.50 | 16.50 | 15.50 | 14.50 | 13.50 | 12.50 | 12.00 |

Nos. 1 to 7, one-third dozen in a box. Other Nos., half dozen.

Without Handles.

| Nos | 12 | 13 | 14 |
|---|---|---|---|
| Per pound, 1 lb. and over | $0.35 | .35 | .35 |

Half dozen in a box.

## BRICKLAYERS' HAMMERS

With Hickory Handles.

Adze Eye

| Nos. | 2 |
|---|---|
| Weight without handles | 2 lbs. |
| Per dozen | $18.50 |

One-third dozen in a box.

## Napping Hammers

Oil Finish. Polished Faces.

No. 58.

| Weights | 3 to 5 lbs. | Under 3 lbs. |
|---|---|---|
| Per pound | $0.18 | .20 |

## Spike Mauls

Oil Finish. Polished Face and Pein.

No. 66—4 to 8 lbs. ..... Per pound $0.27

## RIVETING HAMMERS

With Varnished Hickory Handles.

Full size, 5.

| No. 15 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Weight without handles | 1 5-8 | 1 3-8 | 1 1-8 lb. | 15 | 12 | 9 | 7 | 4 oz. |
| Per dozen | $8.00 | 7.50 | 7.00 | 6.50 | 6.25 | 6.00 | 5.75 | 5.50 |

Half dozen in a box.

## Solid Steel Masons' Hammers

Oil Finish. Polished Face.

No. 50.

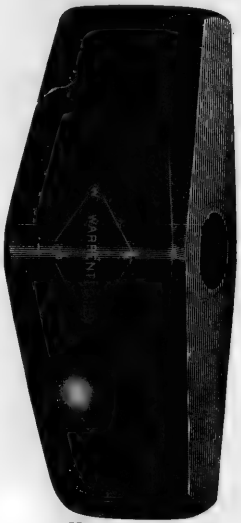
Double Face.

No. 51.

Nos. 50 and 51 from 3 to 20 lbs.

| Weights | 5 lbs. and over | 3 to 5 lbs. |
|---|---|---|
| Per pound | $0.18 | .15 |

## HAND-DRILLING HAMMER



No. 54.

## STRIKING OR MINERS' HAMMER

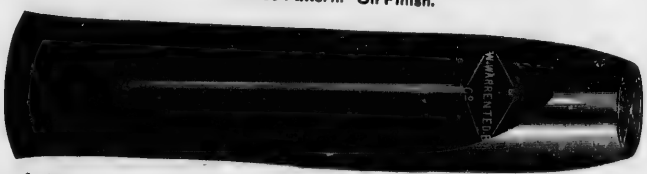
No. 56.

| Oil Finish. | Polished Faces. |
|---|---|
| No. 54—5 lbs. and heavier.....Per pound $0.14 | No. 56—5 lbs. and heavier.....Per pound $0.14 |
| No. 54—3 to 5 lbs.....Per pound .16 | No. 56—3 to 5 lbs.....Per pound .16 |

Can supply Western or Longer Pattern if desired.

## Wood-Choppers' Wedges

Truckee Pattern. Oil Finish.



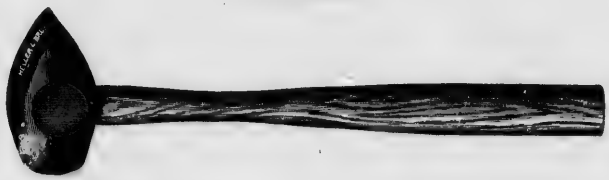

No. 69—Weights as desired.....Per pound $0.12

## Malleable Iron Maul Rings

Malleable Maul Rings.....Per dozen $1.80

## HORSESHOERS' HAMMERS

**Solid Cast Steel.**



HELLER'S Cat's Head or Turning Hammers, 2 to 3 lbs ..... Per dozen $28.00
W. & B. Cat's Head or Turning Hammers, 2 to 3 lbs ..... Per dozen 18.00

HELLER'S Rounding Hammers, 2 to 3 lbs ..... Per dozen $28.00
W. & B. Rounding Hammers, 2 to 3 lbs ..... Per dozen 18.00

HELLER'S Fitting Hammers, 2 to 3 lbs ..... Per dozen $24.00

One-third dozen in a box.

## Blacksmiths' Hand Hammers and Sledges

**Cast Steel. Oil Finish. Polished Face and Pein.**

| Weights | 5 lbs. and over | 3 to 5 lbs. |
|---|---|---|
| Per pound | $0.14 | .16 |

PETER WRIGHT'S Steel Faced Sledges ..... Per pound $....

## FARRIERS' HAMMERS

No. 6—With varnished hickory handles ..... Per dozen $6.25

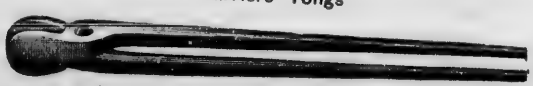
No. 5—With varnished hickory handles ..... Per dozen $7.75

HELLER & BROS.

Heller & Bros'. Farriers' Hammers, 13 to 17 ounces ..... Per dozen $12.00

Half dozen in a box.

## Farriers' Tongs



Heller's Solid Steel Forging Tongs ..... Per pair $0.50

## BLACKSMITHS' TOOLS

Creaser

Set Hammer

No. **85**—Adze Eye Creaser ..... Per pound $0.35
No. **86**—Set Hammer ..... Per pound .35

### Punches

Round.

Square.

No. **81**—Round Punches, 1-4 to 1 inch ..... Per pound $0.35
No. **82**—Square Punches, 1-4 to 1 inch ..... Per pound 0.35

No. **79**—To
No. **80**—Bo

No. **77**—Botto
No. **78**—Top S

## BLACKSMITHS' TOOLS

### Fullers

Top.

Bottom.

No. **79**—Top Fullers, 1-4 to 3 inch.....Per pound $0.35
No. **80**—Bottom Fullers, 1-4 to 3 inch.....Per pound .35

### Swedges

Bottom.

Top.

No. **77**—Bottom Swedges, 1-4 to 3 inch.....Per pound $0.35
No. **78**—Top Swedges, 1-4 to 3 inch.....Per pound .35

## BLACKSMITHS' TOOLS

### Hot Chisel

### Cold Chisel

No. **75**—Hot Chisels, 1 to 3 lbs.... ..... Per pound $0.35
No. **76**—Cold Chisels, 1 to 3 lbs.... ..... Per pound .35

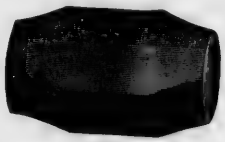
### Hardies

### Flatters

No. **83**—Hardies, 1-2 to 1 1-4 inch shanks ..... Per pound $0.35
No. **84**—Flatters, 1 to 4 1-2 inch ..... Per pound .35

## CAST IRON SLEDGES OR POST MAULS

No. 2.



No. 3.

No. 2—Cast Iron Sledges, 21 lbs. ..... Per pound $0.06
No. 3—Cast Iron Sledges, 10 lbs. ..... Per pound .06

## Blacksmiths' Anvils

Peter Wright's Patent Solid Wrought Anvils, 80 lbs. and heavier ..... Per pound $0.16½
Brooks' Wrought Anvils, 30 to 150 lbs. .....

## Tuyere Irons

DUCK'S NEST.

| Nos. | 1 | .... | 2 |
|---|---|---|---|
| Weight, lbs. | 11 | | 15 |
| Per dozen | $10.00 | .... | 12.00 |

## HANDLES

### Hatchet

### Bench Axe

**Shingle Hatchet**

Hickory Shingle Hatchet Handles ..... Per dozen $0.75

**Bench Axe Handles**

Hickory Bench Axe Handles, small ..... Per dozen $0.8
Hickory Bench Axe Handles, large ..... Per dozen .9

### Nail Hammer

### Machinist's Hammer

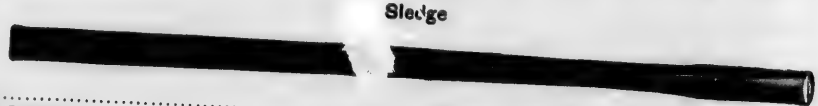
**Adze Eye Nail Hammer**

Selected Second Growth Hickory Adze Eye Nail Hammer Handles ..... Per dozen $0.75
Extra Hickory Adze Eye Nail Hammer Handles ..... Per dozen .50

**Machinist's Hammer**

| Inch | | 14 | 16 | 18 | 20 | 22 | 24 |
|---|---|---|---|---|---|---|---|
| Extra Hickory | Per dozen | $0.60 | .70 | .80 | .90 | 1.00 | 1.15 |
| Second Growth Hickory | Per dozen | .85 | 1.00 | 1.15 | 1.30 | 1.45 | 1.60 |

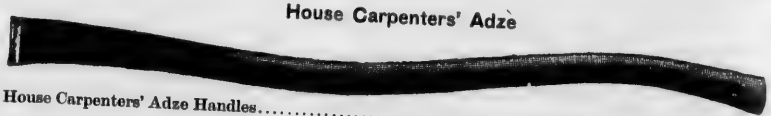
### Sledge



| Inch | | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|---|---|---|---|---|---|---|---|---|
| Extra Hickory | Per dozen | $1.40 | 1.60 | 1.75 | 2.00 | 2.25 | 2.50 | 2.75 |
| Second Growth Hickory | Per dozen | 1.75 | 2.00 | 2.25 | 2.50 | 2.75 | 3.15 | 3.40 |

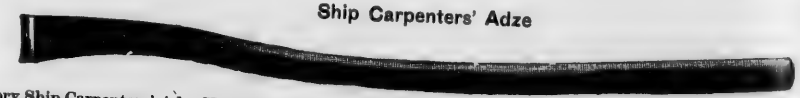
Hickory Napping Hammer Handles, 36 inch ..... Per dozen $3.00

### House Carpenters' Adze



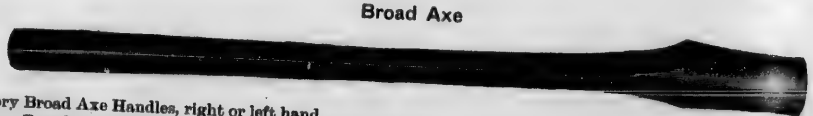
Hickory House Carpenters' Adze Handles ..... Per dozen $2.60

### Ship Carpenters' Adze



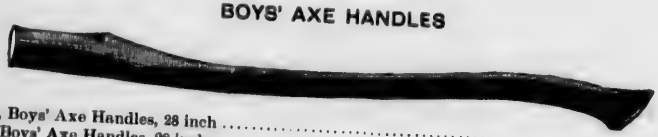
Hickory Ship Carpenters' Adze Handles ..... Per dozen $2.60

### Broad Axe



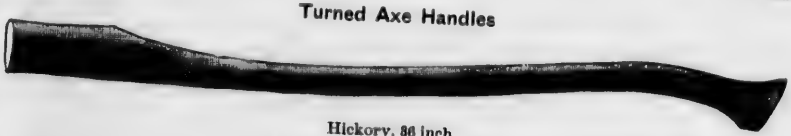
Hickory Broad Axe Handles, right or left hand ..... Per dozen $2.60
Hickory Broad Axe Handles, reversible ..... Per dozen 2.80

## BOYS' AXE HANDLES



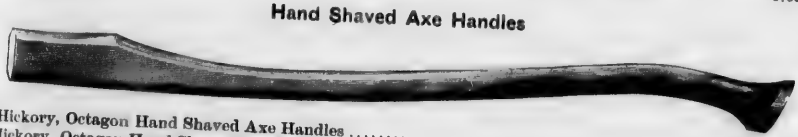
No. 1—Hickory, Boys' Axe Handles, 28 inch ..... Per dozen $1.25
Extra Hickory, Boys' Axe Handles, 28 inch ..... Per dozen 1.75

## Turned Axe Handles



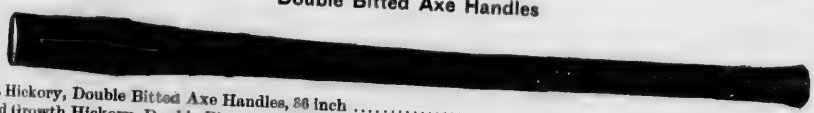
| No. | 3 | Extra. | Kentucky 2nd growth. | Best 2nd growth. |
|---|---|---|---|---|
| | Hickory, 36 inch. | | | |
| Per dozen | $1.00 | 3.00 | 3.25 | 4.00 |

## Hand Shaved Axe Handles



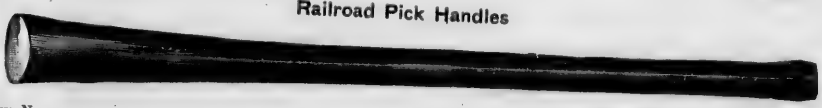
No. 1—Hickory, Octagon Hand Shaved Axe Handles ..... Per dozen $2.00
Extra Hickory, Octagon Hand Shaved Axe Handles ..... Per dozen 2.50

## Double Bitted Axe Handles



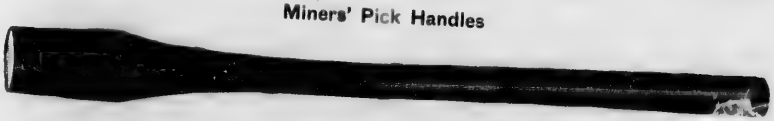
Extra Hickory, Double Bitted Axe Handles, 36 inch ..... Per dozen $2.50
Second Growth Hickory, Double Bitted Axe Handles, 36 inch ..... Per dozen 3.50

## Railroad Pick Handles



| Hickory, No. | 1 | Extra. | Second growth. |
|---|---|---|---|
| Per dozen | $2.00 | 2.50 | 4.00 |

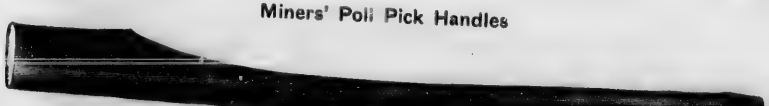
## Miners' Pick Handles



### Drifting and Coal Pick

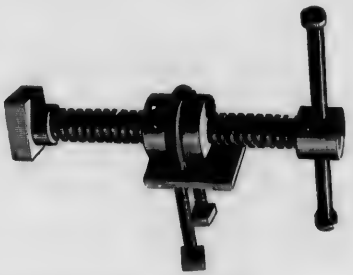
American, Second Growth, Hickory, Miners' Pick Handles, 34 inch ..... Per dozen $4.00

## Miners' Poll Pick Handles



American, Second Growth, Hickory, Miners' Poll Pick Handles, 34 inch ..... Per dozen $4.00

## CARPENTERS' CLAMP SCREWS

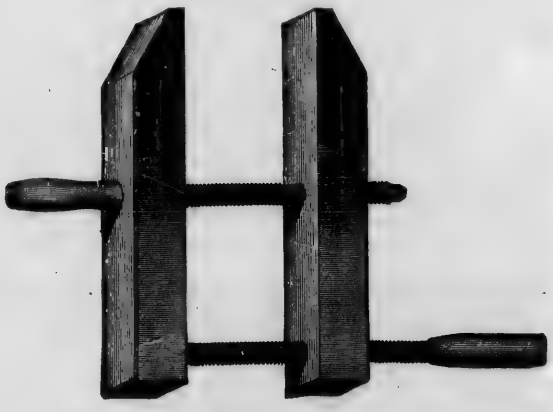


Twelve-inch Wrought Screw, Cut from Best Refined Iron, Wrought Iron Handle.

1 inch diameter. ..... Each $1.40

## Hand Screws

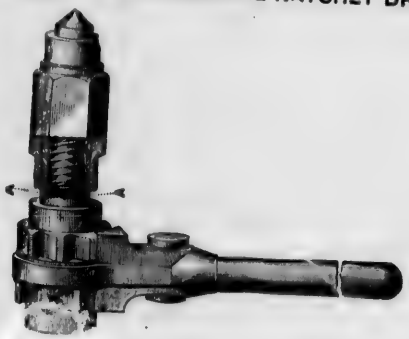
Screws of Best Selected Hickory.



| Nos | 202 | 203 | 204 | 205 | 206 |
|---|---|---|---|---|---|
| Per dozen | $3.50 | 4.25 | 5.25 | 5.50 | 6.50 |
| Diameter of screw, inch | 3-4 | 3-4 | 7-8 | 1 | 1 |
| Length of screw, inch | 12 | 14 | 16 | 18 | 20 |
| Length of jaw, inch | 8 | 10 | 12 | 14 | 16 |
| Size of jaw, inch | 1 3-8 | 1 5-8 | 1 3-4 | 2 | 2 1-4 |

One dozen in a box.

## WESTON'S DIFFERENTIAL RATCHET DRILLS

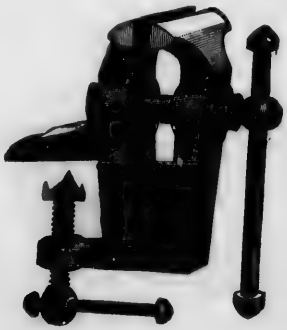


| Inch | 12 | 14 | 16 |
|---|---|---|---|
| Each | $6.00 | 6.50 | 7.00 |

## Hand and Bench Vises

No. 810.

No. 878.



No 710.

### Hand Vises

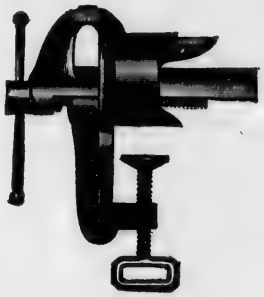
No. 810 X 4 1-2—Wrought Hand Vises ..... Per dozen $9.00
No. 878 X 5 —Wrought Hand Vises, handled ..... Per dozen 10.50
No. 878 X 6 —Wrought Hand Vises, handled ..... Per dozen 15.00

### Bench Vises

No. 710—Wrought Bench Vises, 3 to 4 lbs ..... Each $2.00

## BENCH VISES

No. 3½ Bonney's.



No. 3½ Phœnix.

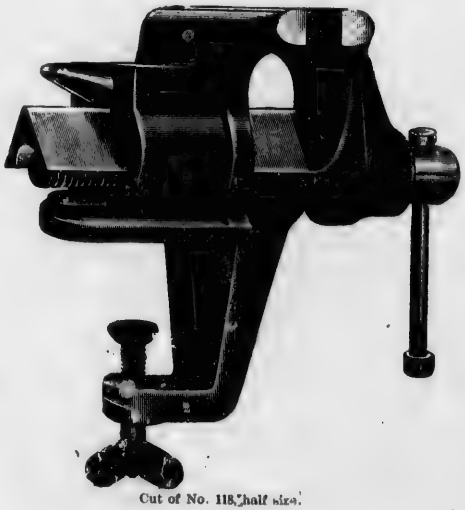
**No. 3 1-2**—Bonney's, 2 1-4 inch jaws, Wrought Iron Screw, weight 2 3-4 lbs. ..... Per dozen $8.50

### Phœnix Clamp Vises

Jaws and Anvil Face, Chill Hardened, Thumb Screw, has Ball and Socket Swivel Cap.

**No. 3 1-2**—Phœnix, 2 inch jaws, opens 2 1-4 inches, weight 4 1-2 lbs. ..... Per dozen $16.00
**No. 4 1-2**—Phœnix, 2 1-2 inch jaws, opens 2 3-4 inches, weight 9 1-2 lbs. ..... Per dozen 24.00

## Champion Vises

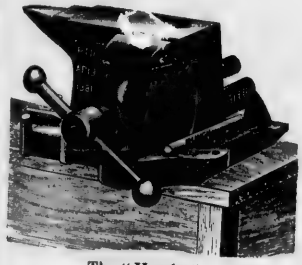


Cut of No. 118, half size.

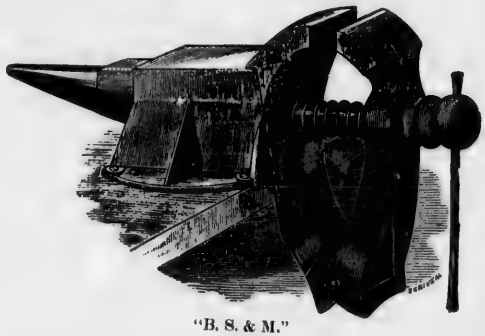
### Covered Screws with Clamp

**No. 112**—1 1-2 inch jaws, weight 1 1-4 lbs. ..... Per dozen $4.50
**No. 118**—2 1-2 inch jaws, weight 3 3-4 lbs. ..... Per dozen 18.00

## COMBINED ANVILS AND VISES



The "Handy."



"B. S. & M."

**The "Handy" Anvil and Vise**

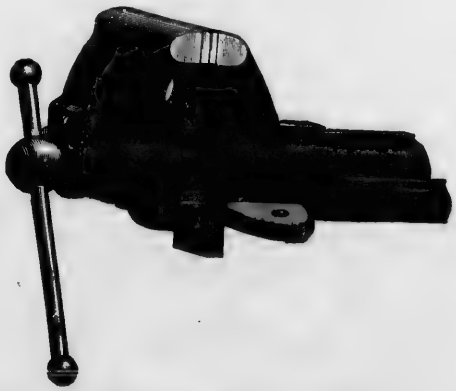
Chilled Face Anvil, 4 x 2½ inch face, 2 Inch Jaw, Wrought Screw Vise, one Cast Steel Chisel and Punch in each box.... ..... Per dozen $35.00

One in a box.

**The "B. S. & M." Anvil and Vise**

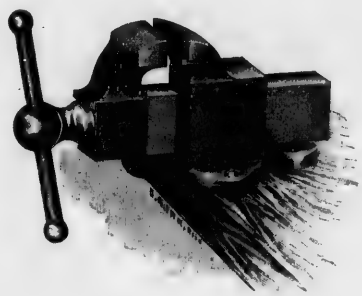
Bright Chilled Face Anvil, Inserted Steel Jaw Vise..... ..... Each $4 50

## Parallel Oval Slide Vises

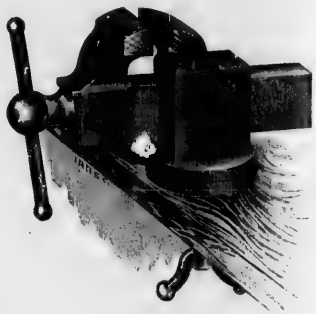


No. 1—Weight 22 lbs., length of jaws 3 1-2 inches, opens 4 inches ..... Each $4.50

## HOLLANDS' PARALLEL VISES



Stationary Base.



Swivel Base.

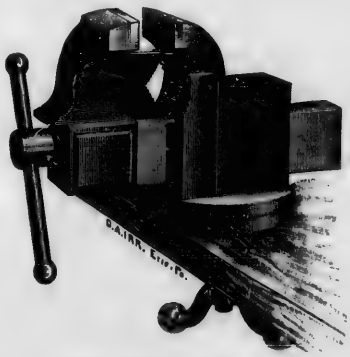
**Stationary Base.**

| | | | | |
|---|---|---|---|---|
| No. **5**—Weight | 20 lbs., | length of jaws 3 1-8 inches, | opens 4 inches | Each $ 7.00 |
| No. **15**—Weight | 30 lbs., | length of jaws 3 1-2 inches, | opens 5 inches | Each 7.75 |
| No. **25**—Weight | 45 lbs., | length of jaws 4 inches, | opens 6 inches | Each 9.50 |
| No. **35**—Weight | 60 lbs., | length of jaws 4 1-2 inches, | opens 7 inches | Each 11.00 |
| No. **45**—Weight | 90 lbs., | length of jaws 5 1-8 inches, | opens 8 inches | Each 14.75 |
| No. **55**—Weight | 145 lbs., | length of jaws 6 inches, | opens 10 inches | Each 25.00 |
| No. **59**—Weight | 184 lbs., | length of jaws 7 inches, | opens 11 1-2 inches | Each 31.25 |

**Swivel Base.**

| | | | | |
|---|---|---|---|---|
| No. **30**—Weight | 55 lbs., | length of jaws 4 inches, | opens 6 inches | Each $11.50 |
| No. **40**—Weight | 65 lbs., | length of jaws 4 1-2 inches, | opens 7 inches | Each 13.00 |

## Hough's Extra Heavy Combination Pipe Vise

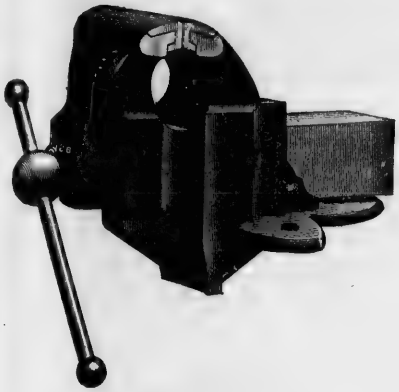


Holding Pipe 1-4 to 3 inches.

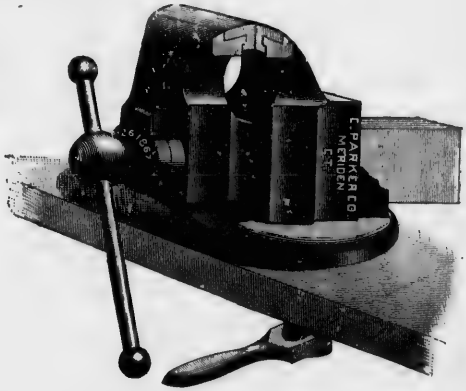
**Swivel Base.**

No. **115**—Weight 85 lbs., length of jaws 4 1-4 inches.....Each $14.00

## PARKER'S PATENT PARALLEL VISES



Stationary Base.




Swivel Base.

### Stationary Base. Round Jaws.

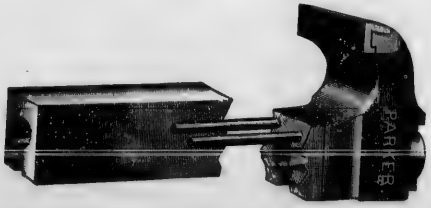
| With Wrought Iron Strengthener. No. | | Each. | | Without Wrought Iron Strengthener. No. | | Each. |
|---|---|---|---|---|---|---|
| 000 | .... | $10.00 | Weight, 23 lbs ; length of jaws, 3 1-4 inches | 0000 | .... | $ 7.50 |
| 1 | .... | 11.25 | Weight, 31 1-2 lbs. ; length of jaws, 3 5-8 inches | 100 | .... | 9.00 |
| 2 | .... | 14.25 | Weight, 41 1-2 lbs. ; length of jaws, 4 1-8 inches | 200 | .... | 11.50 |
| 3 | .... | 18.50 | Weight, 59 1-2 lbs. ; length of jaws, 4 3-4 inches | 300 | .... | 14.75 |
| 4 | .... | 25.75 | Weight, 88 lbs. ; length of jaws, 5 3-8 inches. | 400 | .... | 21.75 |
| 5 | .... | 38.00 | Weight, 120 lbs. ; length of jaws, 6 1-8 inches | 500 | .... | 32.25 |

### Swivel Base. Round Jaws.

| With Wrought Iron Strengthener. No. | | Each. | | Without Wrought Iron Strengthener. No. | | Each. |
|---|---|---|---|---|---|---|
| 24 | .... | $23.00 | Weight, 63 1-2 lbs. ; length of jaws, 4 3-4 inches | 2400 | .... | $18.00 |

The steel faces of these Vises are milled and fitted to the jaws, and are renewable at a trifling cost.

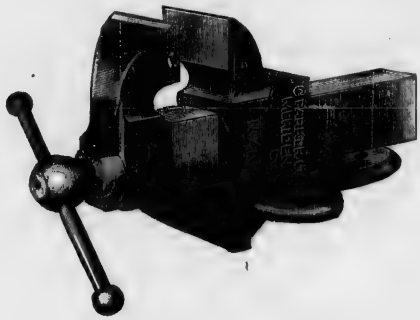
### Patent Vise Strengthener




The above cut represents a detached or broken Vise Slide, showing the manner of inserting the "Patent Wrought Iron Strengthener."

## COACH MAKERS' VISES

Designed for the use of Carpenters, Cabinet Makers, Pattern Makers and Wood Workers generally.



**Parker's**

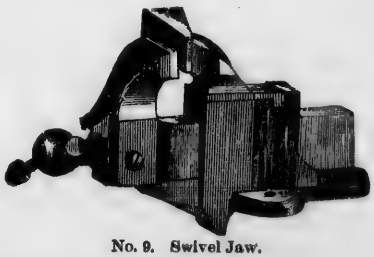
With Wrought Iron Strengthener. — Without Wrought Iron Strengthener.

No. **40 1-2**—Each $23.25—4 1-2 inch jaws, opens 9 1-2 inches....No. **4000**—4 inch jaws, opens 8 inches ....Each $13.50

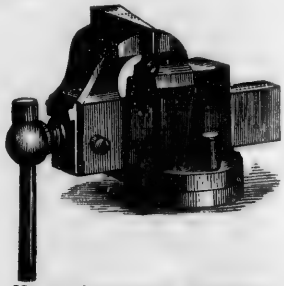
**Canadian**

No. **8**—4 inch jaws, opens 8 inches.....Each $8.25

## Swivel Coach Makers' Vises



No. 9. Swivel Jaw.



No. 10. Swivel Jaw. Swivel Base.

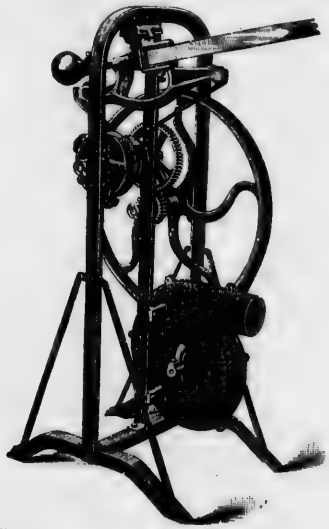
No. **9**—Coach Makers' Vise, swivel jaws, 3 5-8 inch jaws, opens 8 inches.....Each $9.50

No. **10**—Coach Makers' Vise, swivel jaws and base, 3 5-8 inch jaws, opens 7 1-2 inches .....Each 10.50

**Jaws of Swivel Coach Makers' Vises are same as (No. 40 1-2) and not as shown in cuts.**

## BLACKSMITHS' VISES

## BLACKSMITHS' BLOWERS



### Blacksmiths' Vises

Peter Wright's Patent Solid Box.....Per pound $0.19
Brooks' Patent Solid Box.....Per pound 0.16

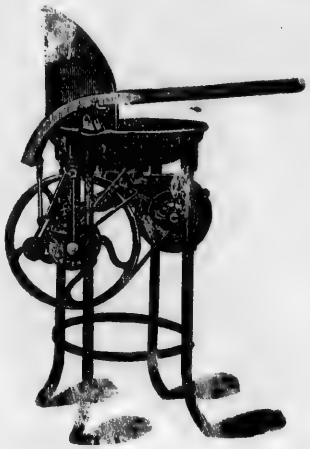
### Blacksmiths' Blowers

No. 4 1-2—Iron frame, improved adjustable tuyere iron, fan 14 inches.....Each $22.00
Works with swivel lever.

## Boxes and Screws for Solid Box Vises

Boxes and Screws for Solid Box Vises, PETER WRIGHT'S.....Per pound $0.45

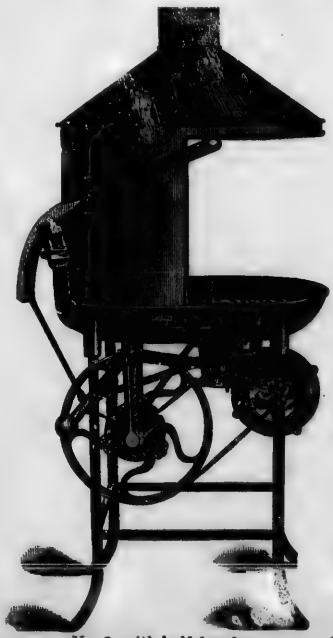
## PORTABLE FORGES



No. 5, with shield.

No. 8.

**No. 5**—With shield, height 33 inches, diameter of hearth 22 inches, fan 10 inches, weight 100 lbs ..... ....Each $24.00
**No 6**—With half hood, height 33 inches, diameter of hearth 22 inches, fan 10 inches, weight 110 lbs.....Each 27.00
**No. 7**—With closed hood, height 33 inches, diameter of hearth 22 inches, fan 10 inches, weight 115 lbs... Each 30.00
**No. 8**—For miners and prospectors, short legs, diameter of hearth 18 inches, fan 9 inches (without case).. Each 23.00



No 3, with half hood.

**No. 1**—With half hood, EXTRA LARGE, height 30 inches, hearth 32 x 45 inches, fan 14 inches, weight 350 lbs .....Each $50.00

**No. 2**—With shield, height 30 inches, hearth 23 x 35 inches, fan 12 inches, weight 120 lbs .. .....Each 36.00

**No. 3**—With half hood, height 30 inches, hearth 23 x 35 inches, fan 12 inches, weight 130 lbs..... .....Each 40.00

**No. 4**—With closed hood, height 30 inches, hearth 23 x 35 inches, fan 12 inches, weight 140 lbs ..... .....Each 42.00

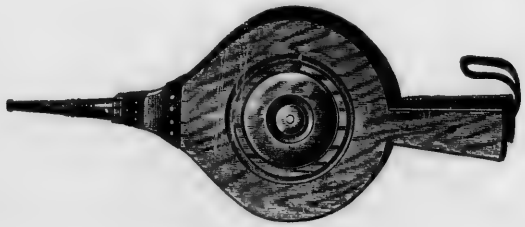
## BELLOWS.

### Standard Pattern Blacksmiths' Bellows.

| Width, Inches | 24 | 26 | 28 | 30 | 32 | 34 |
|---|---|---|---|---|---|---|
| List, Each | $10.00 | 11.00 | 12.00 | 13.00 | 14 00 | 16.00 |
| Width, Inches | 36 | 38 | 40 | 42 | 44 | 48 |
| List, Each | $18.00 | 20.00 | 23.00 | 27.00 | 32.00 | 50.00 |

### Moulders' Bellows.

10 Inches ..... Per dozen $18.00



### French Parlor Bellows.

Russet Leather

No. 4109—Size 6 1-2 Inches ..... Per dozen $5.50
8 Inch, Nailed ..... Per dozen 9.00

## DIAMOND VISE

Patented January 15, 1895.

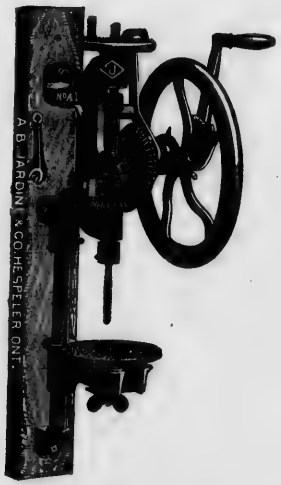
Patented January 15, 1895.

Well Finished. Suitable for First-class Machine Shop.
Just the thing for Factory or Farm. Will hold Work no other Vise can.
To hold Pipe, move Mall Jaw back One Notch.
Three sharp jaws four inches long clamp pipe up to two inches firmer than any other vise made.

**Will take Square Shank Drills up to 3-4 inch**

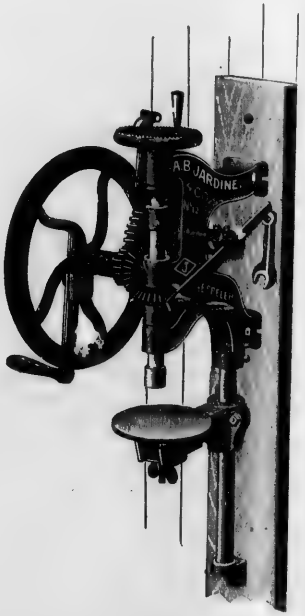
Diamond Vise ..... $5 00
Diamond Vise with Drilling Attachment ..... 7 50

## Upright Drills




No. A1.

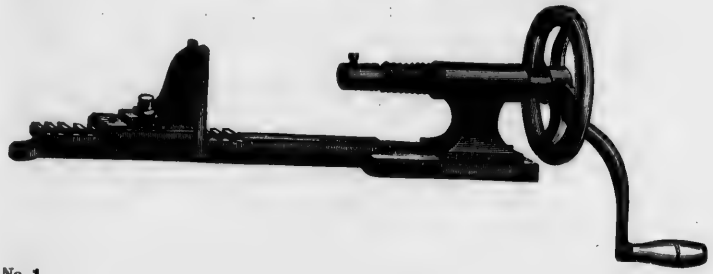
Adjustable automatic feed. Weight, 100 lbs., bores to centre of 15 inch circle, and takes 10½ inches between table and end of drill spindle. Spindle bored to fit drill shanks ½ inch in diameter..... .....Each $10.00.




No. 12.

Adjustable automatic feed. Weight 130 lbs., bores up to 1 inch hole, and to centre of 18 inch circle. Spindle bored to fit drill shanks ½ inch in diameter. Each..... $14.00

## BLACKSMITHS' HORIZONTAL DRILL.



No. 1 ..... Each $4.50
No. 2 ..... Each $5.25

## Upright Drills.

Side View.

Front View.

CHAMPION, Hand Drill, Adjustable Automatic Feed, Length 37 Inches, Weight 100 Lbs. Capacity 1 Inch hole in Center of 15 Inch Circle, Run of Feed, 3 1-4 Inches . . Each $15.00.

## UPRIGHT DRILL

No. 3.

Has automatic screw feed, and treadle feed for countersinking. Spindle has ½ inch shank twist drills. Drills holes up to 1½ inch and to centre of 22 inch circle. Has change gearing for fast and slow speed, the fast speed is suitable for light drilling, and the change of gearing, which is made instantly by moving a small pivoted arm, adapts the machine to the heaviest drilling required of a hand machine.

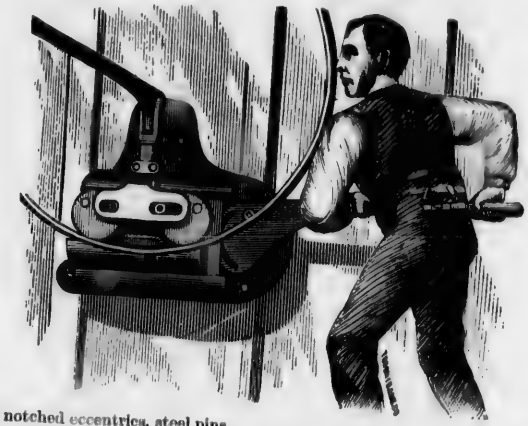
With tight and loose pulleys on crank shaft or with cone pulleys and countershaft, it makes an excellent power drilling machine for light work. Weight, 200 lbs.

For driving by belt we provide either tight and loose pulleys, price $3 ... or countershaft with cone pulleys, flanges, etc., price $15.00.

When the fly wheel is not required, that is if the machine is to be driven by belt only, we allow ... 00 off list price. ..... $26.00

## TIRE UPSETTERS

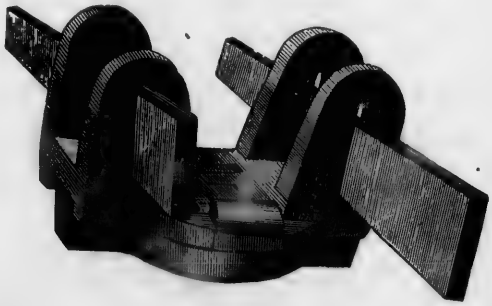
LIGHTNING.



No. 4—Lightning, chilled notched eccentrics, steel pins..... Each $11.25
Can be operated by one man and will not kink the tire.

JARDINE'S IMPROVED.

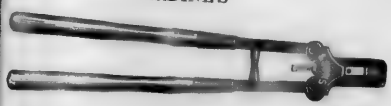
EUREKA.



No. 1—Jardine's Improved, upsets tires up to 2 inch wide ..... Each $13.80
No. 2—Jardine's Improved, upsets tires up to 4 inch wide ..... Each 16.20
No. 3—Eureka, upsets tires up to 3 inch wide and 1 inch thick..... Each 7.50

## Bolt Clippers

JARDINE'S



EAGLE

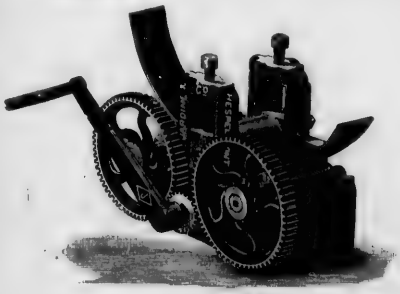
No. 1—Jardine's, to cut bolts and rivets 7-16 inch and under ..... Each $4.00
No. 1—Eagle, to cut bolts and rivets 3-8 inch and under ..... Each 4.00
No. 2—Eagle, to cut bolts and rivets 1-2 inch and under ..... Each 5.50
..... Each 9.00

## TIRE BENDERS

No. 1.

### No. 1 Tire Bender

Is compact and well fitted ; the upper roll is driven by a strong gear. The rollers are all accurately turned. Will bend light iron up to 4 inches wide.
Weight 85 lbs. ..... Each $8 75



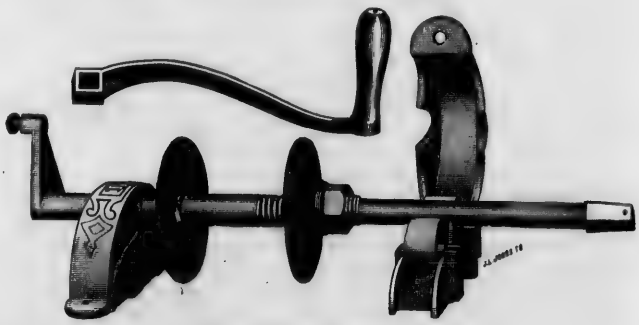
No. 2.

### No. 2 Tire Bender

Is strongly geared and will bend tire up to 4 inches in width. It has change of speed for light and heavy tire. The middle roller is removable to take the tire out after bending or to round up welded tire. A convenient, strong and cheap bender.

Weight 120 lbs. ..... Each $10.50

## Grindstone Mountings



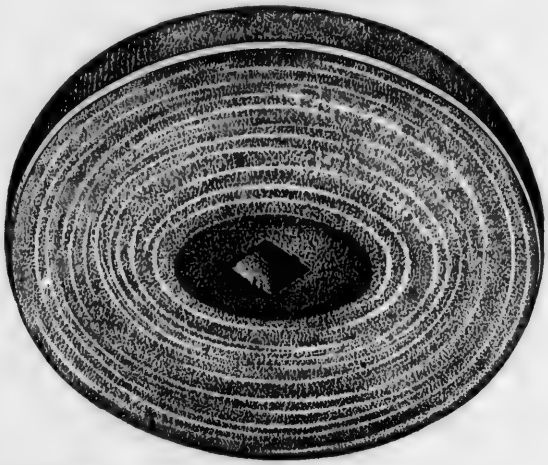
Japanned, Incased Copper Rollers.

No. 1—15 inch shaft ..... Per dozen $5.75
No. 2—17 inch shaft ..... Per dozen 6.50

Half dozen sets in a box.

Extra handles ..... Per dozen 3.00

## GRINDSTONES



Ohio Grindstones, assorted to 150 lbs. ..... Per 100 pounds $1 25
Ohio Grindstones, over 150 lbs. ..... Per 100 pounds 2.00

### RULE TO ASCERTAIN WEIGHT OF GRINDSTONES

Square the diameter (in inches), multiply by thickness (in inches), then by decimal .06363.

Example:—Find the weight of a stone 4 feet 6 inches diameter and 7 inches thick. 4 feet 6 inches = 54 inches. Square of 54 = 2916, multiplied by 7 = 20,412, multiplied by .06363 = Ans: 1298.815 lbs. which is weight of stone.

### Kitchen Grindstones

Japanned Mountings.

Kitchen Grindstones, 8 inch diameter, mounted ..... Per dozen $12.50
Kitchen Grindstones, without mountings ..... Per dozen 8.50

## BLACKSMITHS' STOCKS AND DIES

| NUMBERS. | Price Each. | Right Hand. Size. | Right Hand. Threads to the Inch. | Left Hand. Size. | Left Hand. Threads to the Inch. | Number of Taps. | Pairs of Dies. |
|---|---|---|---|---|---|---|---|
| | | Inch. | | Inch. | | | |
| 1 | $60.00 | 2 to 1 | 4 1-2 & 7 | 2 to 1 | 4 1-2 & 7 | 8 | 4 |
| 2 | 60.00 | 2 " 7-8 | 4 1-2 6 7 8 | ..... | ..... | 8 | 4 |
| 3 | 45.00 | 1 3-4 " 7-8 | 6 8 | 1 3-4 to 7-8 | 6 8 | 8 | 4 |
| 4 | 45.00 | 1 3-4 " 3-4 | 6 7 8 9 | ..... | ..... | 8 | 4 |
| 5 | 35.00 | 1 1-2 " 3-4 | 8 9 | 1 1-2 to 3-4 | 8 9 | 8 | 4 |
| 5 1-2 | 35.00 | 1 1-2 " 5-8 | 6 7 8 9 | ..... | ..... | 8 | 4 |
| 7 | 12.00 | 1 1-4 " 5-8 | 8 10 | 1 1-4 to 7-8 | 8 | 6 | 3 |
| 9 | 12.00 | 1 1-4 " 1-2 | 8 10 12 | ..... | ..... | 6 | 3 |
| 17 | 9.00 | 1 " 1-2 | 9 12 | 1 to 3-4 | 9 | 6 | 3 |
| 19 | 9.00 | 1 " 3-8 | 9 12 14 | ..... | ..... | 6 | 3 |
| 25 | 6.50 | 3-4 " 3-8 | 10 12 | 3-4 to 1-2 | 10 | 6 | 3 |
| 27 | 6.50 | 3-4 " 3-8 | 10 12 16 | ..... | ..... | 6 | 3 |
| 45 | 5.50 | 5-8 " 5-16 | 12 16 | 5-8 to 7-16 | 12 | 6 | 3 |
| 47 | 5.50 | 5-8 " 1-4 | 12 14 18 | ..... | ..... | 6 | 3 |
| 49 | 4.50 | 1-2 " 1-4 | 14 18 | 1-2 to 5-16 | 14 | 6 | 3 |
| 51 | 4.50 | 1-2 " 3-16 | 14 18 22 | ..... | ..... | 6 | 3 |
| 60 | 6.50 | 3-4 " 1-8 | 10 12 14 18 | ..... | ..... | 6 | 4 |

| NUMBERS. | Price Each. | Right Hand. Size. | Right Hand. Threads to the Inch. | Left Hand. Size. | Left Hand. Threads to the Inch. | Number of Taps. | Sets of Dies. |
|---|---|---|---|---|---|---|---|
| | | Inch. | | Inch. | | | |
| 6 | $20.00 | 1 1-2 to 1 | 8 | 1 1-2 to 1 | 8 | 4 | 2 |
| 11 | 10.00 | 1 1-4 " 5-8 | 8 10 | 1 1-4 to 7-8 | 8 | 4 | 3 |
| 15 | 10.00 | 1 1-4 " 1-2 | 8 10 12 | ..... | ..... | 5 | 3 |
| 21 | 6.00 | 1 " 1-2 | 9 12 | 1 to 3-4 | 9 | 4 | 3 |
| 23 | 5.00 | 1 " 3-8 | 9 10 14 | ..... | ..... | 3 | 3 |
| 32 | 5.00 | 3-4 " 3-8 | 10 14 | 3-4 to 3-8 | 10 14 | 4 | 4 |
| 33 | 4.00 | 3-4 " 1-2 | 10 | 3-4 to 1-2 | 10 | 2 | 2 |
| 34 | 4.50 | 3-4 " 5-16 | 10 12 16 | ..... ..... | ..... | 3 | 3 |
| 34 A | 4.50 | 3-4 " 5-16 | 10 12 14 | ..... | ..... | 3 | 3 |
| 34 B | 4.50 | 3-4 " 5-16 | 12 14 16 | ..... | ..... | 3 | 3 |
| 35 | 4.00 | 3-4 " 3-8 | 10 14 | ..... | ..... | 2 | 2 |
| 37 | 4.25 | 5-8 " 3-16 | 14 18 22 | ..... | ..... | 6 | 3 |
| 37 A | 4.25 | 5-8 " 3-16 | 12 14 16 | ..... | ..... | 6 | 3 |
| 37 B | 4.25 | 5-8 " 3-16 | 14 16 18 | ..... | ..... | 6 | 3 |
| 38 | 4.50 | 5-8 " 5-16 | 12 18 | 5-8 to 7-16 | 12 | 6 | 3 |
| 41 | 3.25 | 1-2 " 1-8 | 16 20 26 | ..... | ..... | 6 | 3 |
| 41 A | 3.25 | 1-2 " 1-8 | 14 16 18 | ..... | ..... | 6 | 3 |
| 41 B | 3.25 | 1-2 " 1-8 | 16 18 20 | ..... | ..... | 6 | 3 |
| 42 | 3.50 | 1-2 " 3-16 | 14 20 | 1-2 to 5-16 | 14 | 6 | 3 |
| 53 | 2 75 | 5-16 " 1-16 | 16 20 24 32 | ..... | ..... | 4 | 4 |

One set in a package.

No. A—Stock 22 inc
No. B—Stock 26 inc
No. C—Stock 26 inc
No. D—Stock 26 inc
No. E—Stock 26 inc
No. F—Stock 53 inc
No. G—Two stocks,
No. H—Stock 26 inc

No. 1—5 pairs Dies, c
No. 2—4 pairs Dies, c
No. 3—4 pairs Dies, c
No. 4—4 pairs Dies, c
No. 5—4 pairs Dies, c
No. 6—5 pairs Dies, c
No. 6 stock

Extra Dies for No. 1 p
Extra Dies for No. 2 p
Extra Dies for No. 3 p

No. 0— 5 inches long, F
No. 1— 8 inches long, F
No. 2 - 12 inches long, F
No. 3—14 inches long, F
No. 4—19 inches long, F
No. 5—24 inches long, F
No. 6—36 inches long, F
No. 7—54 inches long, F

## REECE'S NEW SCREW PLATES

Cut showing Size G, complete in box.

No. **A**—Stock 22 inches long, cuts 1-4, 5-16, 3-8, 7-16 and 1-2 inch ..... Each $12.00
No. **B**—Stock 26 inches long, cuts 1-2, 5-8, 3-4, 7-8 and 1 inch ..... Each 17.50
No. **C**—Stock 26 inches long, cuts 1-4, 5-16, 3-8, 7-16, 1-2, 5-8 and 3-4 inch ..... Each 16.00
No. **D**—Stock 26 inches long, cuts 3-8, 7-16, 1-2, 5-8, 3 4, 7-8 and 1 inch ..... Each 22.00
No. **E**—Stock 26 inches long, cuts 1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8 and 1 inch ..... Each 25.00
No. **F**—Stock 53 inches long, cuts 1 1-8, 1 1-4, 1 3-8 and 1 1-2 inches ..... Each 37.50
No. **G**—Two stocks, cuts 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1, 1 1-8 and 1 1-4 inches ..... Each 42.00
No. **H**—Stock 26 inches long, cuts 1-4, 3-8, 1-2, 5-8 and 3-4 inch ..... Each 13.50

## Machinists' Stocks and Dies

No. **1**—5 pairs Dies, cutting 1-4, 20; 5-16, 18; 3-8, 16; 7-16, 14; 1-2, 12 ..... Each $ 7.00
No. **2**—4 pairs Dies, cutting 7-16, 14; 1-2, 12; 5-8, 11; 3-4, 10 ..... Each 8.00
No. **3**—4 pairs Dies, cutting 5-8, 11; 3-4, 10; 7-8, 9; 1, 8 ..... Each 10.00
No. **4**—4 pairs Dies, cutting 3-4, 10; 7-8, 9; 1, 8; 1 1-4, 7 ..... Each 13.00
No. **5**—4 pairs Dies, cutting 1 1-8, 7; 1 1-4, 7; 1 3-8, 6; 1 1-2, 6 ..... Each 25.00
No. **6**—5 pairs Dies, cutting 1 1-2, 6; 1 5-8, 5; 1 3-4, 5; 1 7-8, 4 1-2; 2, 4 1-2 ..... Each 33.00

No. 6 stock has malleable centre for holding Dies and double strong pipe for handles, detachable.

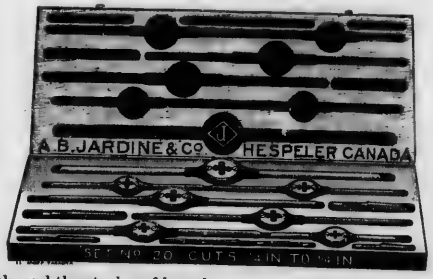
Prices do not include taps. For price of taps see page 501.

Extra Dies for No. 1 plate ..... $1 00
Extra Dies for No. 2 plate ..... 1.25
Extra Dies for No. 3 plate ..... 1.75
Extra Dies for No. 4 plate ..... $2.00
Extra Dies for No. 5 plate ..... 3.50
Extra Dies for No. 6 plate ..... 4.00

## Adjustable Tap and Reamer Wrench

No. **0**— 5 inches long, Fitting Taps 1-16 to 1-4 inch ..... Each $ 1 00
No. **1**— 8 inches long, Fitting Taps 1-8 to 3-8 inch ..... Each 1.50
No. **2**—12 inches long, Fitting Taps 1-4 to 5-8 inch ..... Each 2.50
No. **3**—14 inches long, Fitting Taps 1-2 to 7-8 inch ..... Each 3.00
No. **4**—19 inches long, Fitting Taps 3-4 to 1 1-4 inch ..... Each 4.00
No. **5**—24 inches long, Fitting Taps 7-8 to 1 1-2 inch ..... Each 5.25
No. **6**—36 inches long, Fitting Taps 1 to 2 inch ..... Each 8.00
No. **7**—54 inches long, Fitting Taps 1 1-2 to 3 inch ..... Each 16.00

## ADJUSTABLE DIES




Each Die in a separate stock, and the stocks, of length proportionate to the size of Die.
Always ready ; no more changing Dies in stock.
Every Die in the set can be in use at one time if required.
The Die is held firmly by screws, and is easily and quickly adjusted to size.
Each Die is provided with a guide collar, to lead the die straight on the bolt.
The Dies have clearance on the face, as well as the under side, and can be used to cut up to a shoulder, without alteration or adjustment.
There is no plate or other projection on the face of the Die to prevent it going right up to the shoulder, if required.
It is without doubt the best and most convenient adjustable Die on the market.

PRICES.

Complete. Taps, Dies and Stocks, in a neat case :

Set No. **15**—1-4, 5-16, 3-8, 7-16, 1-2 ..... $11.25
Set No. **20**—1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4 ..... 16.00
Set No. **22**—3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 inch ..... 22.00
Set No. **25**—1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 inch ..... 24.00

Unless otherwise ordered, Taps and Dies sent 1-64 inch oversize up to 3-8 inch, and 1-32 inch oversize 7-16 inch and larger.

## Screw Plates

No. 847—German

| No. **847** | **6** | **7** | **8** |
|---|---|---|---|
| Cuts up to—Inch | 5-16 | 1-4 | 5-16 |
| Each | $2.20 | 2.25 | 2.40 |

### Stubs' Screw Plates

| No. **181A** | **8** Holes | **9** Holes | **10** Holes |
|---|---|---|---|
| Each | $1.60 | 2.55 | 3.40 |

## Axle Cutter

**For cutting back the Shoulder of Worn Axles, so as to take up end play**

This tool can be applied to any axle up to 1½ inch diameter, and cuts back the shoulder quickly, making a perfect job. With it and a set of dies a set of axles can be cut in an hour, changing a buggy with loose, wobbly wheels into a nice running rig. Every waggon maker should have this tool.

Each ..... $3.00

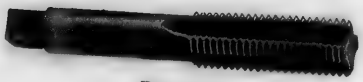
## TAPS

Machine or Nut Taps

Hand Taps

TAPER.

PLUG.



BOTTOMING.

Machine Screw Taps

| HAND. | | | |
|---|---|---|---|
| Inch. | Each. | No. of Threads to Inch. | Whole Length in Inches. |
| 1-4 | $0.45 | 16, 18, 20 | 2 3-4 |
| 5-16 | .50 | 16, 18 | 3 |
| 3-8 | .55 | 14, 16, 18 | 3 1-4 |
| 7-16 | .60 | 14, 16 | 3 1-2 |
| 1-2 | .70 | 12, 13, 14 | 4 |
| 9-16 | .80 | 12, 14 | 4 |
| 5-8 | .90 | 10, 11, 12 | 4 1-2 |
| 11-16 | 1.05 | 11, 12 | 4 1-2 |
| 3-4 | 1.20 | 10, 12 | 5 |
| 13-16 | 1.40 | 10 | 5 |
| 7-8 | 1.60 | 9, 10 | 5 1-2 |
| 15-16 | 1.80 | 9 | 5 1-2 |
| 1 | 2.00 | 8 | 6 |
| 1 1-8 | 2.25 | 7, 8 | 6 |
| 1 1-4 | 2.60 | 7 | 6 1-2 |
| 1 3-8 | 3.00 | 6 | 6 3-4 |
| 1 1-2 | 3.50 | 6 | 7 |
| 1 5-8 | 4.20 | 5, 5 1-2 | 7 1-4 |
| 1 3-4 | 5.00 | 5 | 7 1-2 |
| 1 7-8 | 5.80 | 4 1-2, 5 | 8 |
| 2 | 6 70 | 4 1-2 | 8 1-2 |

| MACHINE OR NUT. | | | |
|---|---|---|---|
| Inch. | Each. | No of Threads to Inch. | Whole Length in Inches. |
| 1-4 | $0.40 | 16, 18, 20 | 5 |
| 5-16 | .70 | 16, 18 | 6 |
| 3-8 | .80 | 14, 16 | 6 1-2 |
| 7-16 | .90 | 12, 14, 16 | 7 |
| 1-2 | 1.00 | 12, 13, 14 | 8 |
| 9-16 | 1.15 | 12, 14 | 8 |
| 5-8 | 1.30 | 10, 11, 12 | 9 |
| 11-16 | 1.45 | 11, 12 | 9 |
| 3-4 | 1.60 | 10 | 10 |
| 13-16 | 1.80 | 10 | 10 |
| 7-8 | 2.10 | 9, 10 | 11 |
| 15-16 | 2.40 | 9 | 11 |
| 1 | 2.80 | 8 | 12 |
| 1 1-8 | 3.20 | 7, 8 | 12 |
| 1 1-4 | 3.70 | 7, 8 | 13 |
| 1 3-8 | 4.20 | 6 | 13 1-2 |
| 1 1-2 | 4.70 | 6 | 14 |
| 1 5-8 | 5 30 | 5, 5 1-2 | 14 1-2 |
| 1 3-4 | 6.00 | 5 | 15 |
| 1 7-8 | 6.80 | 4 1-2, 5 | 16 |
| 2 | 7.70 | 4 1-2 | 17 |

In ordering state whether exact size or 1-32 over size FOR ROUGH IRON is wanted, and No. of threads. Can supply U.S. or Whitworth Thread to order. V Thread always sent unless advised to the contrary.

### Machine Screw Taps

| Nos. | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Standard threads to inch | 56 | 36 | 32 | 32 | 24 | 24 | 20 | 18 | 18 | 16 | 16 |
| Each | $0.35 | .35 | .35 | .35 | .35 | .35 | .38 | .38 | .38 | .45 | .45 |

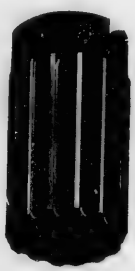
## SOLID REAMERS

No. 116.

| Diameter. | Full Length. | Length of Flute. | Price each. | Diameter. | Full Length. | Length of Flute. | Price each. |
|---|---|---|---|---|---|---|---|
| 1-4 | 3 3-4 | 2 3-16 | $1.80 | 1 3-16 | 8 1-4 | 4 1-4 | $3.50 |
| 5-16 | 4 | 2 1-4 | 1.40 | 1 1-4 | 8 5-8 | 4 1-2 | 3.70 |
| 3-8 | 4 1-4 | 2 3-8 | 1.50 | 1 5-16 | 9 | 4 3-4 | 3.90 |
| 7-16 | 4 1-2 | 2 7-16 | 1.60 | 1 3-8 | 9 3-8 | 5 | 4.10 |
| 1-2 | 4 3-4 | 2 9-16 | 1.70 | 1 7-16 | 9 3-4 | 5 1-4 | 4.35 |
| 9-16 | 5 | 2 5-8 | 1.80 | 1 1-2 | 10 | 5 1-2 | 4.70 |
| 5-8 | 5 1-4 | 2 3-4 | 1.90 | 1 9-16 | 10 1-4 | 5 5-8 | 5.20 |
| 11-16 | 5 1-2 | 2 3-4 | 2.05 | 1 5-8 | 10 1-2 | 5 3-4 | 5.70 |
| 3-4 | 5 3-4 | 3 | 2.20 | 1 11-16 | 10 3-4 | 5 7-8 | 6.20 |
| 13-16 | 6 | 3 1-8 | 2.35 | 1 3-4 | 11 | 6 | 6.70 |
| 7-8 | 6 3-8 | 3 1-4 | 2.50 | 1 13-16 | 11 1-4 | 6 1-8 | 7.10 |
| 15-16 | 6 3-4 | 3 7-16 | 2.70 | 1 7-8 | 11 1-2 | 6 1-4 | 7.50 |
| 1 | 7 1-8 | 3 5-8 | 2.90 | 1 15-16 | 11 3-4 | 6 3-8 | 7.90 |
| 1 1-16 | 7 1-2 | 3 3-4 | 3.10 | 2 | 12 | 6 1-2 | 8.30 |
| 1 1-8 | 7 7-8 | 4 | 3.30 | | | | |

## Shell Reamers

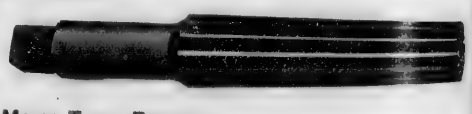
No. 117.



| Diameter. | Length. | Size Hole | Price each. | Diameter. | Length. | Size Hole. | Price each. |
|---|---|---|---|---|---|---|---|
| Inches. | Inches. | Inches. | | Inches. | Inches. | Inches. | |
| 1-4 | 1 1-2 | 1-8 | $1.10 | 1 3-4 | 3 1-2 | 1 | $4.10 |
| 5-16 | 1 1-2 | 1-8 | 1.10 | 1 13-16 | 3 1-2 | 1 | 4.40 |
| 3-8 | 1 3-4 | 3-16 | 1.20 | 1 7-8 | 3 1-2 | 1 | 4.70 |
| 7-16 | 1 3-4 | 3-16 | 1.30 | 1 15-16 | 3 1-2 | 1 | 5.00 |
| 1-2 | 2 | 1-4 | 1.40 | 2 | 3 1-2 | 1 | 5.20 |
| 9-16 | 2 | 1-4 | 1.50 | 2 1-16 | 3 3-4 | 1 1-4 | 5.40 |
| 5-8 | 2 1-4 | 3-8 | 1.60 | 2 1-8 | 3 3-4 | 1 1-4 | 5.60 |
| 11-16 | 2 1-4 | 3-8 | 1.60 | 2 3-16 | 3 3-4 | 1 1-4 | 5.80 |
| 3-4 | 2 1-2 | 1-2 | 1.60 | 2 1-4 | 3 3-4 | 1 1-4 | 6.00 |
| 13-16 | 2 1-2 | 1-2 | 1.60 | 2 5-16 | 3 3-4 | 1 1-4 | 6.20 |
| 7-8 | 2 1-2 | 1-2 | 1.70 | 2 3-8 | 3 3-4 | 1 1-4 | 6.40 |
| 15-16 | 2 1-2 | 1-2 | 1.70 | 2 7-16 | 3 3-4 | 1 1-4 | 6.60 |
| 1 | 2 3-4 | 5-8 | 1.80 | 2 1-2 | 3 3-4 | 1 1-4 | 6.80 |
| 1 1-16 | 2 3-4 | 5-8 | 1.80 | 2 9-16 | 4 | 1 1-2 | 7.00 |
| 1 1-8 | 2 3-4 | 5-8 | 1.90 | 2 5-8 | 4 | 1 1 2 | 7.30 |
| 1 3-16 | 2 3-4 | 5-8 | 2.00 | 2 11-16 | 4 | 1 1-2 | 7.60 |
| 1 1-4 | 2 3 4 | 5-8 | 2.20 | 2 3-4 | 4 | 1 1-2 | 8.00 |
| 1 5-16 | 3 | 3-4 | 2.40 | 2 13-16 | 4 | 1 1-2 | 8.40 |
| 1 3-8 | 3 | 3-4 | 2.60 | 2 7-8 | 4 | 1 1-2 | 8.80 |
| 1 7-16 | 3 | 3-4 | 2.80 | 2 15-16 | 4 | 1 1-2 | 9.20 |
| 1 1-2 | 3 | 3-4 | 3.00 | 3 | 4 | 1 1-2 | 9.60 |
| 1 9-16 | 3 | 3-4 | 3.20 | | | | |
| 1 5-8 | 3 | 3-4 | 3.50 | Shell Reamers of any size or length supplied to order. | | | |
| 1 11-16 | 3 1-2 | 1 | 3.80 | | | | |

## Taper Reamers

| | Each. |
|---|---|
| Reamer for taper of Morse drill socket No. 1 ... | $2.40 |
| Reamer for taper of Morse drill socket No. 2 ... | 2.80 |
| Reamer for taper of Morse drill socket No. 3 ... | 3.40 |
| Reamer for taper of Morse drill socket No. 4 ... | 4.20 |
| Reamer for taper of Morse drill socket No. 5 ... | 6.60 |



## Dimensions of Morse Taper Reamers

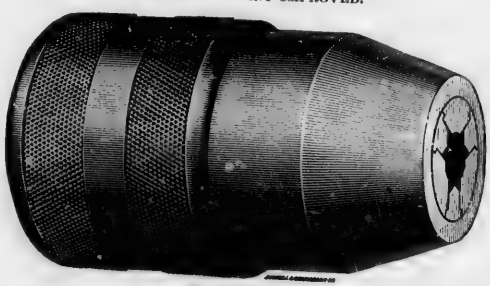
| No. of Reamer. | Full Length. | Length of Flute. | Taper. | No. of Reamer. | Full Length. | Length of Flute. | Taper. |
|---|---|---|---|---|---|---|---|
| Taper No. 1.... | 5 7-8 in. | 3 1-2 in. | .5415 by .365 | Taper No. 4... | 9 in. | 5 1-2 in. | 1.2[illegible] by 1.021 |
| Taper No. 2.... | 7 1-2 in. | 4 1-2 in. | .797 by .572 | Taper No. 5... | 9 7-8 in. | 5 7-8 in. | 1.7[illegible] by 1.480 |
| Taper No. 3.... | 8 1-4 in. | 5 in. | 1.025 by .775 | | | | |

## BEACH PATENT DRILL CHUCK

No. 0—Holding from No. 0 to 1-8 inch diameter (for Jewellers) ..... Each $8.00
No. 1—Holding from No. 0 to 1-4 inch diameter ..... Each 8.00
No. 2—Holding from No. 0 to 3-8 inch diameter ..... Each 8.50
No. 3—Holding from No. 1-16 to 1-2 inch diameter ..... Each 10.00
No. 4—Holding from No. 3-16 to 5-8 inch diameter ..... Each 11.00

## Beach Drill Chuck

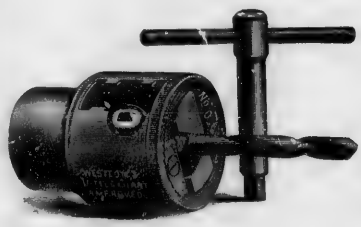
STETSON'S PATENT IMPROVED.



Full size cut.

No. 2—Holding from No. 0 to 3-8 inch ..... Each $8.50

## Westcott's Patent Little Giant Improved Drill Chuck



This Chuck has no projections. The jaws and screws are all within the body. The jaws are of the best tool steel, carefully hardened.

A guard ring prevents the jaws from being opened so as to take in larger work than the Chuck is designed for. It is very powerful, and is guaranteed to hold true and not to injure or shear the finest drill. It holds round or square work, and there is no chuck equal to it for holding wood-boring tools. The hole in the hub is made to fit the Morse taper.

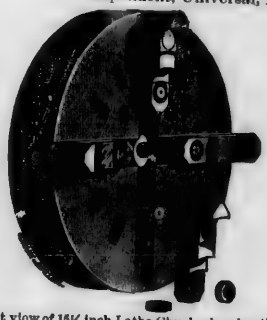
No. 00—Approximate diameter 1 1-4 inch, holding drills 0 to 1-4 inch ..... Each $ 7.00
No. 0—Approximate diameter 2 1-2 inch, holding drills 0 to 1-2 inch ..... Each 8.00
No. 1 Approximate diameter 3 inch, holding drills 0 to 3-4 inch ..... Each 9.00
No. 2—Approximate diameter 3 1-2 inch, holding drills 0 to 1 inch ..... Each 10.00

### Screws and Jaws for Westcott's Patent Little Giant Improved

| | | | |
|---|---|---|---|
| No. 00—Screws | Each $1.00 | Jaws | Per set $2.00 |
| No. 0—Screws | Each 1.00 | Jaws | Per set 2.25 |
| No. 1—Screws | Each 1.00 | Jaws | Per set 2.50 |
| No. 2—Screws | Each 1.10 | Jaws | Per set 2.75 |

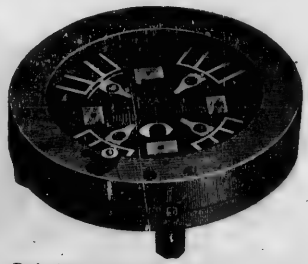
## WESTCOTT'S PATENT
## GEARED COMBINATION LATHE CHUCK

**Independent, Universal, Eccentric. Jaws reversible. Made with either three or four jaws.**

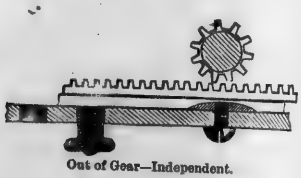


Front view of 15¼ inch Lathe Chuck, showing the manner of reversing the jaws.

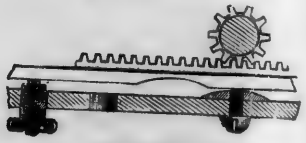
Inside view of 15¼ inch Four Jaw Chuck, showing the Screws and Pinions, the Nut under the Jaw, and the Gear which is loose in the Back Shell.



Back view, showing Shifting Stud and Nut. Also Recess for Face Plate.



Out of Gear—Independent.



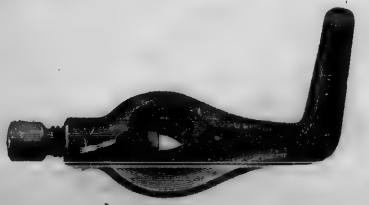
In Gear—Universal.

The jaws are of steel, carefully hardened and ground. The gears, pinions, screws, and keys are all made of tough steel of the best quality. The jaws in 30 inch and 36 inch are not made to reverse unless so ordered.

### POINTS OF SUPERIORITY.

STRONGEST GRIP. GREATEST CAPACITY. GREATEST DURABILITY. MOST PERFECT ADJUSTMENT. CHEAPNESS AND ACCURACY.

| Diameter, inch | 5 | 7 1-2 | 10 1-8 | 13 | 15 1-4 | 18 | 21 | 24 | 30 | 36 |
|---|---|---|---|---|---|---|---|---|---|---|
| Capacity | 5 | 7 1-2 | 10 3-8 | 13 1-8 | 17 | 19 3-4 | 25 1-2 | 28 | 32 1-2 | 40 |
| Diamenter of recess for face plate, inch | 3 | 3 1-2 | 5 1-2 | 6 1-2 | 7 1-2 | 8 | 8 | 10 | ... | ... |
| Three jaws.....Each | $24.00 | 26 00 | 34.00 | 44.00 | 52.00 | 62.00 | 80.00 | 100.00 | 170 | 230.00 |
| Four jaws.....Each | ..... | 32.00 | 42.00 | 56.00 | 64.00 | 75.00 | 95.00 | 120.00 | 200.00 | 285.00 |



### Lathe Dogs

With Hardened Steel Screws.

| Inch | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|---|---|
| Each | $0.55 | .70 | .85 | .95 | 1.10 | 1.30 |
| Inch | 2 | 2 1-2 | 3 | 3 1-2 | 4 | |
| Each | $1.50 | 1 75 | 1.90 | 2.50 | 2 75 | |

## CARRIAGE BOLTS

**Manufacturers' List, Adopted May 1st, 1895**

PRICE PER HUNDRED.

| Length | 3-16 & 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 & 5-8 | 3-4 |
|---|---|---|---|---|---|---|---|



WOOD, VALLANCE & CO.

## Machine Bolts, with Square Heads and Square Nuts

**Adopted January, 1900**

PRICE PER HUNDRED

| Length in Inches | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 & 5/8 | 3/4 | 7/8 | 1 |
|---|---|---|---|---|---|---|---|---|---|
| 1½ | $1 70 | $2 00 | $2 40 | $2 80 | $3 60 | $5 20 | $7 20 | $10 50 | $15 10 |
| 2 | 1 78 | 2 12 | 2 56 | 3 00 | 3 86 | 5 58 | 7 70 | 11 20 | 16 00 |
| 2½ | 1 86 | 2 24 | 2 72 | 3 20 | 4 12 | 5 96 | 8 20 | 11 90 | 16 90 |
| 3 | 1 94 | 2 36 | 2 88 | 3 40 | 4 38 | 6 34 | 8 70 | 12 60 | 17 80 |
| 3½ | 2 02 | 2 48 | 3 04 | 3 60 | 4 64 | 6 72 | 9 20 | 13 30 | 18 70 |
| 4 | 2 10 | 2 60 | 3 20 | 3 80 | 4 90 | 7 10 | 9 70 | 14 00 | 19 60 |
| 4½ | 2 18 | 2 72 | 3 36 | 4 00 | 5 16 | 7 48 | 10 20 | 14 70 | 20 50 |
| 5 | 2 26 | 2 84 | 3 52 | 4 20 | 5 42 | 7 86 | 10 70 | 15 40 | 21 40 |
| 5½ | 2 34 | 2 96 | 3 68 | 4 40 | 5 68 | 8 24 | 11 20 | 16 10 | 22 30 |
| 6 | 2 42 | 3 08 | 3 84 | 4 60 | 5 94 | 8 62 | 11 70 | 16 80 | 23 20 |
| 6½ | 2 50 | 3 20 | 4 00 | 4 80 | 6 20 | 9 00 | 12 20 | 17 50 | 24 10 |
| 7 | 2 58 | 3 32 | 4 16 | 5 00 | 6 46 | 9 38 | 12 70 | 18 20 | 25 00 |
| 7½ | 2 66 | 3 44 | 4 32 | 5 20 | 6 72 | 9 76 | 13 20 | 18 90 | 25 90 |
| 8 | 2 74 | 3 56 | 4 48 | 5 40 | 6 98 | 10 14 | 13 70 | 19 60 | 26 80 |
| 9 | 2 90 | 3 80 | 4 80 | 5 80 | 7 50 | 10 90 | 14 70 | 21 00 | 28 60 |
| 10 | 3 06 | 4 04 | 5 12 | 6 20 | 8 02 | 11 66 | 15 70 | 22 40 | 30 40 |
| 11 | 3 22 | 4 28 | 5 44 | 6 60 | 8 54 | 12 42 | 16 70 | 23 80 | 32 20 |
| 12 | 3 38 | 4 52 | 5 76 | 7 00 | 9 06 | 13 18 | 17 70 | 25 20 | 34 00 |
| 13 | ..... | ..... | 6 08 | 7 40 | 9 58 | 13 94 | 18 70 | 26 60 | 35 80 |
| 14 | ..... | ..... | 6 40 | 7 80 | 10 10 | 14 70 | 19 70 | 28 00 | 37 60 |
| 15 | ..... | ..... | 6 72 | 8 20 | 10 62 | 15 46 | 20 70 | 29 40 | 39 40 |
| 16 | ..... | ..... | 7 04 | 8 60 | 11 14 | 16 22 | 21 70 | 30 80 | 41 20 |
| 17 | ..... | ..... | ..... | ..... | 11 66 | 16 98 | 22 70 | 32 20 | 43 00 |
| 18 | ..... | ..... | ..... | ..... | 12 18 | 17 74 | 23 70 | 33 60 | 44 80 |
| 19 | ..... | ..... | ..... | ..... | 12 70 | 18 50 | 24 70 | 35 00 | 46 60 |
| 20 | ..... | ..... | ..... | ..... | 13 22 | 19 26 | 25 70 | 36 40 | 48 40 |

The following extras are to be understood as a part of the Machine Bolt List:—
Bolts with Hexagon Heads or Hexagon Nuts, 10% extra.
If both Hexagon Heads and Hexagon Nuts, 20% extra.
Joint Bolts and Bolts with Tee Heads, 10% extra.

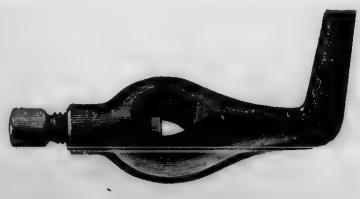
**Cancel Machine Bolt List on Page 505**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 12 | 3.98 | 4.10 | 4.92 | 6.16 | 7.80 | 11.00 | 15.72 | [illegible] | [illegible] |
| 13 | 3.54 | 4.30 | 5.16 | 6.48 | 8.20 | 12.10 | 17.32 | 23.80 | 32.80 |
| 14 | 3.70 | 4.50 | 5.40 | 6.80 | 8.60 | 12.70 | 18.20 | 25.00 | 34.40 |
| 15 | 3.86 | 4.70 | 5.64 | 7.12 | 9.00 | 13.30 | 19.08 | 26.20 | 36.00 |
| 16 | 4.02 | 4.90 | 5.88 | 7.44 | 9.40 | 13.90 | 19.96 | 27.40 | 37.60 |
| 17 | 4.18 | 5.10 | 6.12 | 7.76 | 9.80 | 14.50 | 20.84 | 28.60 | 39.20 |
| 18 | 4.34 | 5.30 | 6.36 | 8.08 | 10.20 | 15.10 | 21.72 | 29.80 | 40.80 |
| 19 | 4.50 | 5.50 | 6.60 | 8.40 | 10.60 | 15.70 | 22.60 | 31 00 | 42.40 |
| 20 | 4.66 | 5.70 | 6.84 | 8.72 | 11.00 | 16.30 | 23.48 | 32.20 | 44.00 |

Bolts with Hexagon or Tee Heads or Hexagon Nuts, 10 per cent. extra.
If both Hexagon Heads and Hexagon Nuts, 20 per cent. extra.

## WESTCOTT'S PATENT
## GEARED COMBINATION LATHE CHUCK

**Independent, Universal, Eccentric. Jaws reversible. Made with either three or four jaws.**



### Lathe Dogs

**With Hardened Steel Screws.**

| Inch | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|---|---|
| Each | $0.55 | .70 | .85 | .95 | 1.10 | 1.30 |
| Inch | 2 | 2 1-2 | | 3 | 3 1-2 | 4 |
| Each | $1.50 | 1.75 | | 1.90 | 2.50 | 2.75 |

Bolts with Hex
If both Hexago

## CARRIAGE BOLTS

**Manufacturers' List, Adopted May 1st, 1895**

PRICE PER HUNDRED.

| Length | 3-16 & 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 & 5-8 | 3-4 |
|---|---|---|---|---|---|---|---|
| 1½ | $1.00 | $1.20 | $1.50 | $2.20 | $3.00 | $5.00 | $7.20 |
| 1¾ | 1.04 | 1.25 | 1.50 | 2.20 | 3.00 | 5 00 | 7.20 |
| 2 | 1.08 | 1.30 | 1.50 | 2.20 | 3.00 | 5.00 | 7.20 |
| 2¼ | 1.12 | 1.35 | 1.57 | 2.28 | 3.00 | 5.00 | 7.20 |
| 2½ | 1.16 | 1.40 | 1.64 | 2.36 | 3.00 | 5.00 | 7.20 |
| 2¾ | 1.20 | 1.45 | 1.71 | 2.44 | 3.00 | 5.00 | 7.20 |
| 3 | 1 24 | 1.50 | 1.78 | 2.52 | 3.00 | 5.00 | 7.20 |
| 3¼ | 1.28 | 1.55 | 1.85 | 2.60 | 3.10 | 5.15 | 7.40 |
| 3½ | 1.32 | 1.60 | 1.92 | 2.68 | 3.20 | 5.30 | 7.60 |
| 3¾ | 1.36 | 1.65 | 1.99 | 2.76 | 3.30 | 5.45 | 7.80 |
| 4 | 1.40 | 1.70 | 2.06 | 2.84 | 3.40 | 5.60 | 8.00 |
| 4¼ | 1.44 | 1.75 | 2.13 | 2.92 | 3.50 | 5.75 | 8.20 |
| 4½ | 1.48 | 1.80 | 2.20 | 3.00 | 3.60 | 5.90 | 8.40 |
| 4¾ | 1.52 | 1.85 | 2.27 | 3.08 | 3.70 | 6.05 | 8.60 |
| 5 | 1.56 | 1.90 | 2.34 | 3.16 | 3.80 | 6.20 | 8.80 |
| 5½ | 1.64 | 2.00 | 2.48 | 3.32 | 4.00 | 6.50 | 9.20 |
| 6 | 1.72 | 2.10 | 2.62 | 3.48 | 4.20 | 6.80 | 9.60 |
| 6½ | 1.80 | 2.20 | 2.76 | 3.64 | 4.40 | 7.10 | 10.00 |
| 7 | 1.88 | 2.30 | 2.90 | 3.80 | 4.60 | 7.40 | 10.40 |
| 7½ | 1.96 | 2.40 | 3.04 | 3.96 | 4.80 | 7.70 | 10.80 |
| 8 | 2.04 | 2.50 | 3.18 | 4.12 | 5.00 | 8.00 | 11.20 |
| 8½ | 2.12 | 2.60 | 3.32 | 4.28 | 5 20 | 8.30 | 11.60 |
| 9 | 2.20 | 2.70 | 3.46 | 4.44 | 5.40 | 8.60 | 12.00 |
| 9½ | 2.28 | 2.80 | 3.60 | 4.60 | 5.60 | 8.90 | 12.40 |
| 10 | 2.36 | 2.90 | 3.74 | 4.76 | 5.80 | 9.20 | 12.80 |
| 11 | 2.52 | 3.10 | 4.02 | 5.08 | 6.20 | 9.80 | 13.60 |
| 12 | 2.68 | 3.30 | 4.30 | 5.40 | 6.60 | 10.40 | 14.40 |
| 13 | 2.84 | 3.50 | 4.58 | 5.72 | 7.00 | 11.00 | 15.20 |
| 14 | 3.00 | 3.70 | 4.86 | 6.04 | 7.40 | 11.60 | 16.00 |
| 15 | 3.16 | 3.90 | 5.14 | 6.36 | 7.80 | 12.20 | 16.80 |
| 16 | 3 32 | 4.10 | 5.42 | 6.68 | 8.20 | 12.80 | 17.60 |
| 17 | 3.48 | 4.30 | 5.70 | 7.00 | 8.60 | 13.40 | 18.40 |
| 18 | 3.64 | 4.50 | 5.98 | 7.32 | 9.00 | 14.00 | 19.20 |
| 19 | 3.80 | 4.70 | 6.26 | 7.64 | 9.40 | 14.60 | 20.00 |
| 20 | 3.96 | 4.90 | 6.54 | 7.96 | 9.80 | 15.20 | 20.80 |

## Machine Bolts, with Square Heads and Nuts

**Manufacturers' List, Adopted May 1st, 1895**

PRICE PER HUNDRED.

| Length | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 & 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|---|---|---|
| 1½ | $1.70 | $2.00 | $2.40 | $2.80 | $3.60 | $5.20 | $7.20 | $10.00 | $14.40 |
| 2 | 1.78 | 2.10 | 2.52 | 2.96 | 3.80 | 5.50 | 7.64 | 10.60 | 15.20 |
| 2½ | 1.86 | 2.20 | 2.64 | 3.12 | 4.00 | 5.80 | 8.08 | 11.20 | 16.00 |
| 3 | 1.94 | 2.30 | 2.76 | 3.28 | 4.20 | 6.10 | 8.52 | 11.80 | 16.80 |
| 3½ | 2.02 | 2.40 | 2.88 | 3.44 | 4.40 | 6.40 | 8.96 | 12.40 | 17.60 |
| 4 | 2.10 | 2.50 | 3.00 | 3.60 | 4.60 | 6.70 | 9.40 | 13.00 | 18.40 |
| 4½ | 2.18 | 2.60 | 3.12 | 3.76 | 4.80 | 7.00 | 9.84 | 13.60 | 19.20 |
| 5 | 2.26 | 2.70 | 3.24 | 3.92 | 5.00 | 7.30 | 10.28 | 14.20 | 20.00 |
| 5½ | 2.34 | 2.80 | 3.36 | 4.08 | 5.20 | 7.60 | 10.72 | 14.80 | 20.80 |
| 6 | 2.42 | 2.90 | 3.48 | 4.24 | 5.40 | 7.90 | 11.16 | 15.40 | 21.60 |
| 6½ | 2.50 | 3.00 | 3.60 | 4.40 | 5.60 | 8.20 | 11.60 | 16.00 | 22.40 |
| 7 | 2.58 | 3.10 | 3.72 | 4.56 | 5.80 | 8.50 | 12.04 | 16.60 | 23.20 |
| 7½ | 2.66 | 3.20 | 3.84 | 4.72 | 6.00 | 8.80 | 12.48 | 17.20 | 24.00 |
| 8 | 2.74 | 3.30 | 3.96 | 4.88 | 6.20 | 9.10 | 12.92 | 17.80 | 24.80 |
| 9 | 2.90 | 3.50 | 4.20 | 5.20 | 6.60 | 9.70 | 13.80 | 19 00 | 26.40 |
| 10 | 3.06 | 3 70 | 4.44 | 5.52 | 7.00 | 10.30 | 14.68 | 20.20 | 28.00 |
| 11 | 3.22 | 3.90 | 4.68 | 5.84 | 7.40 | 10.90 | 15.56 | 21.40 | 29.60 |
| 12 | 3.38 | 4.10 | 4.92 | 6.16 | 7.80 | 11.50 | 16.44 | 22.60 | 31.20 |
| 13 | 3.54 | 4.30 | 5.16 | 6.48 | 8.20 | 12.10 | 17.32 | 23.80 | 32.80 |
| 14 | 3.70 | 4.50 | 5.40 | 6.80 | 8.60 | 12.70 | 18.20 | 25.00 | 34.40 |
| 15 | 3.86 | 4.70 | 5.64 | 7.12 | 9.00 | 13.30 | 19.08 | 26.20 | 36.00 |
| 16 | 4.02 | 4.90 | 5.88 | 7.44 | 9.40 | 13.90 | 19.96 | 27.40 | 37.60 |
| 17 | 4.18 | 5.10 | 6.12 | 7.76 | 9.80 | 14.50 | 20.84 | 28.60 | 39.20 |
| 18 | 4.34 | 5.30 | 6.36 | 8.08 | 10.20 | 15.10 | 21.72 | 29.80 | 40.80 |
| 19 | 4.50 | 5.50 | 6.60 | 8.40 | 10.60 | 15.70 | 22.60 | 31 00 | 42.40 |
| 20 | 4.66 | 5.70 | 6.84 | 8.72 | 11.00 | 16.30 | 23.48 | 32.20 | 44.00 |

Bolts with Hexagon or Tee Heads or Hexagon Nuts, 10 per cent. extra.
If both Hexagon Heads and Hexagon Nuts, 20 per cent. extra.

## COACH AND LAG SCREWS

**Manufacturers' List, Adopted May 1st, 1895.**

PRICE PER HUNDRED.

| LENGTH. | 1-4 & 5-16 | 3-8 | 7-16 | 1-2 | 9-16 & 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|---|---|
| 1½ | $2 25 | $2 70 | $3 15 | $3 75 | ..... | ..... | ..... | ..... |
| 2 | 2 40 | 2 88 | 3 39 | 4 05 | $4 95 | ..... | ..... | ..... |
| 2½ | 2 55 | 3 06 | 3 63 | 4 35 | 5 40 | $7 92 | ..... | ..... |
| 3 | 2 70 | 3 24 | 3 87 | 4 65 | 5 85 | 8 58 | $12 80 | ..... |
| 3½ | 2 85 | 3 42 | 4 11 | 4 95 | 6 30 | 9 24 | 13 20 | $18 60 |
| 4 | 3 00 | 3 60 | 4 35 | 5 25 | 6 75 | 9 90 | 14 10 | 19 80 |
| 4½ | 3 15 | 3 78 | 4 59 | 5 55 | 7 20 | 10 56 | 15 00 | 21 00 |
| 5 | 3 30 | 3 96 | 4 83 | 5 85 | 7 65 | 11 22 | 15 90 | 22 20 |
| 5½ | 3 45 | 4 14 | 5 07 | 6 15 | 8 10 | 11 88 | 16 80 | 23 40 |
| 6 | 3 60 | 4 32 | 5 31 | 6 45 | 8 55 | 12 54 | 17 70 | 24 60 |
| 6½ | 3 75 | 4 50 | 5 55 | 6 75 | 9 00 | 13 20 | 18 60 | 25 80 |
| 7 | 3 90 | 4 68 | 5 79 | 7 05 | 9 45 | 13 86 | 19 50 | 27 00 |
| 7½ | 4 05 | 4 86 | 6 03 | 7 35 | 9 90 | 14 52 | 20 40 | 28 20 |
| 8 | 4 20 | 5 04 | 6 27 | 7 65 | 10 35 | 15 18 | 21 30 | 29 40 |
| 9 | 4 50 | 5 40 | 6 75 | 8 25 | 11 25 | 16 50 | 23 10 | 31 80 |
| 10 | 4 80 | 5 76 | 7 23 | 8 85 | 12 15 | 17 82 | 24 90 | 34 20 |
| 11 | 5 10 | 6 12 | 7 71 | 9 45 | 13 05 | 19 14 | 26 70 | 36 60 |
| 12 | 5 40 | 6 48 | 8 19 | 10 05 | 13 95 | 20 46 | 28 50 | 39 00 |

Hexagon Head, 10 per cent. extra.

### Tire Bolts

**Manufacturers' List.**

PRICE PER HUNDRED.

| INCHES. | 3-16 | 1-4 | 5-16 | 3-8 |
|---|---|---|---|---|
| 1 | $ 60 | $ 80 | $1 10 | $2 20 |
| 1¼ | 60 | 80 | 1 10 | 2 20 |
| 1½ | 60 | 80 | 1 10 | 2 20 |
| 1¾ | 65 | 85 | 1 10 | 2 20 |
| 2 | 70 | 90 | 1 17 | 2 20 |
| 2¼ | 75 | 95 | 1 24 | 2 30 |
| 2½ | 80 | 1 00 | 1 31 | 2 40 |
| 2¾ | 85 | 1 05 | 1 38 | 2 50 |
| 3 | 90 | 1 10 | 1 45 | 2 60 |
| 3¼ | ..... | 1 15 | 1 52 | 2 70 |
| 3½ | ..... | 1 20 | 1 59 | 2 80 |
| 3¾ | ..... | 1 25 | 1 66 | 2 90 |
| 4 | ..... | 1 30 | 1 73 | 3 00 |

### Flat Head Stove Bolts.

PRICE PER HUNDRED.

| INCHES. | 3-16 | 7-32 | 1-4 | 5-16 | 3-8 |
|---|---|---|---|---|---|
| 1-2 | $ 60 | $ 62 | $ 65 | | |
| 5-8 | 60 | 62 | 65 | | |
| 3-4 | 60 | 62 | 65 | $1 05 | $2 20 |
| 7-8 | 65 | 67 | 70 | 1 10 | 2 20 |
| 1 | 65 | 67 | 70 | 1 10 | 2 20 |
| 1¼ | 70 | 72 | 75 | 1 15 | 2 20 |
| 1½ | 75 | 77 | 80 | 1 20 | 2 20 |
| 1¾ | 80 | 82 | 85 | 1 25 | 2 20 |
| 2 | 85 | 87 | 90 | 1 30 | 2 20 |
| 2¼ | 90 | 92 | 95 | 1 35 | 2 30 |
| 2½ | 95 | 97 | 1 00 | 1 40 | 2 40 |
| 2¾ | 1 00 | 1 02 | 1 05 | 1 45 | 2 50 |
| 3 | 1 05 | 1 07 | 1 10 | 1 50 | 2 60 |

## Coach and Lag Screws, with Square Heads

PRICE PER HUNDRED — Adopted January, 1900

| Length in Inches | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 and 5/8 | 3/4 | 7/8 | 1 |
|---|---|---|---|---|---|---|---|---|
| 1½ | $2 25 | $2 70 | $3 | 3 2 | ..... | ..... | ..... | ..... |
| 2 | 2 45 | 2 96 | 3 47 | 4 11 | $5 00 | ..... | ..... | ..... |
| 2½ | 2 65 | 3 22 | 3 79 | 4 47 | 5 50 | $7 90 | ..... | ..... |
| 3 | 2 85 | 3 48 | 4 11 | 4 83 | 6 00 | 8 60 | ..... | ..... |
| 3½ | 3 05 | 3 74 | 4 43 | 5 19 | 6 50 | 9 30 | $12 50 | ..... |
| 4 | 3 25 | 4 00 | 4 75 | 5 55 | 7 00 | 10 00 | 13 50 | $18 20 |
| 4½ | 3 45 | 4 26 | 5 07 | 5 91 | 7 50 | 10 70 | 14 50 | 19 50 |
| 5 | 3 65 | 4 52 | [illegible] | 6 27 | 8 00 | 11 40 | 15 50 | 20 80 |
| 5½ | 3 85 | 4 78 | 5 71 | 6 63 | 8 50 | 12 10 | 16 50 | 22 10 |
| 6 | 4 05 | 5 04 | 6 03 | 6 99 | 9 00 | 12 80 | 17 50 | 23 40 |
| 6½ | ..... | ..... | 6 35 | 7 35 | 9 50 | 13 50 | 18 50 | 24 70 |
| 7 | ..... | ..... | 6 67 | 7 71 | 10 00 | 14 20 | 19 50 | 26 00 |
| 7½ | ..... | ..... | 6 99 | 8 07 | 10 50 | 14 90 | 20 50 | 27 30 |
| 8 | ..... | ..... | 7 31 | 8 43 | 11 00 | 15 60 | 21 50 | 28 60 |
| 9 | ..... | ..... | ..... | 9 15 | 12 00 | 17 00 | 22 50 | 29 90 |
| 10 | ..... | ..... | ..... | 9 87 | 13 00 | 18 40 | 24 50 | 32 50 |
| 11 | ..... | ..... | ..... | 10 59 | 14 00 | 19 80 | 26 50 | 35 10 |
| 12 | ..... | ..... | ..... | 11 31 | 15 00 | 21 20 | 28 50 | 37 70 |
| | | | | | | | 30 50 | 40 30 |

The following e[illegible] be understood as a part of this List:—
Hexagon Heads, [illegible] Skein Screws, List Price same as Lag Screws.

## Tire Bolts

**Common List**

PRICE PER HUNDRED

| Length in Inches. | 1/8 & 3/16 | 1/4 | 5/16 | 3/8 |
|---|---|---|---|---|
| 1 | $0 60 | $0 95 | ..... | ..... |
| 1¼ | 60 | 95 | $1 40 | $2 20 |
| 1½ | 60 | 95 | 1 40 | 2 20 |
| 1¾ | 65 | 1 00 | 1 40 | 2 20 |
| 2 | 70 | 1 05 | 1 47 | 2 20 |
| 2¼ | 75 | 1 10 | 1 54 | 2 30 |
| 2½ | 80 | 1 15 | 1 61 | 2 40 |
| 2¾ | 85 | 1 20 | 1 68 | 2 50 |
| 3 | 90 | 1 25 | 1 75 | 2 60 |
| 3¼ | 95 | 1 30 | 1 82 | 2 70 |
| 3½ | 1 00 | 1 35 | 1 89 | 2 80 |
| 4 | ..... | 1 40 | 1 96 | 2 90 |
| | ..... | 1 45 | 2 03 | 3 00 |

## Flat Head Stove Bolts

**Adopted January, 1900**

PRICE PER HUNDRED

| Length in Inches. | 3/16 | 7/32 | 1/4 | 5/16 | 3/8 |
|---|---|---|---|---|---|
| 1/2 | $0 75 | $0 90 | $0 90 | ..... | ..... |
| 5/8 | 0 75 | 0 90 | 0 90 | ..... | ..... |
| 3/4 | 0 75 | 0 90 | 0 90 | ..... | ..... |
| 7/8 | 0 80 | 0 95 | 0 95 | $1 30 | $2 50 |
| 1 | 0 80 | 0 95 | 0 95 | 1 35 | 2 55 |
| 1⅛ | 0 85 | 1 00 | 1 00 | 1 40 | 2 60 |
| 1¼ | 0 85 | 1 00 | 1 00 | 1 45 | 2 65 |
| 1⅜ | 0 90 | 1 05 | 1 05 | 1 50 | 2 70 |
| 1½ | 0 90 | 1 05 | 1 05 | 1 60 | 2 80 |
| 1¾ | 0 95 | 1 10 | 1 05 | 1 70 | 2 90 |
| 2 | 1 00 | 1 15 | 1 10 | 1 80 | 3 00 |
| 2¼ | 1 05 | 1 20 | 1 15 | 1 90 | 3 10 |
| 2½ | 1 10 | 1 25 | 1 20 | 2 00 | 3 20 |
| 2¾ | 1 15 | 1 30 | 1 25 | 2 10 | 3 30 |
| 3 | 1 20 | 1 35 | 1 30 | 2 20 | 3 40 |
| | | | 1 35 | 2 30 | 3 50 |

Cancel Lists on Page 506.

## ROUND HEAD STOVE BOLTS

**Adopted January, 1900**

PRICE PER HUNDRED

| Length in Inches. | 3/16 | 7/32 | 1/4 | 5/16 | 3/8 |
|---|---|---|---|---|---|
| 1/2 | $0 85 | $1 00 | $1 00 | ..... | ..... |
| 5/8 | 0 85 | 1 00 | 1 00 | ..... | ..... |
| 3/4 | 0 85 | 1 00 | 1 00 | $1 55 | $2 65 |
| 7/8 | 0 90 | 1 05 | 1 05 | 1 60 | 2 70 |
| 1 | 0 90 | 1 05 | 1 05 | 1 65 | 2 75 |
| 1 1/8 | 0 95 | 1 10 | 1 10 | 1 70 | 2 80 |
| 1 1/4 | 0 95 | 1 10 | 1 10 | 1 75 | 2 85 |
| 1 3/8 | 1 00 | 1 15 | 1 15 | 1 80 | 2 90 |
| 1 1/2 | 1 00 | 1 15 | 1 15 | 1 85 | 2 95 |
| 1 3/4 | 1 05 | 1 20 | 1 20 | 1 95 | 3 05 |
| 2 | 1 10 | 1 25 | 1 25 | 2 05 | 3 20 |
| 2 1/4 | 1 15 | 1 30 | 1 30 | 2 15 | 3 35 |
| 2 1/2 | 1 20 | 1 35 | 1 35 | 2 25 | 3 50 |
| 2 3/4 | 1 25 | 1 40 | 1 40 | 2 35 | 3 65 |
| 3 | 1 30 | 1 45 | 1 45 | 2 45 | 3 80 |

## Elevator Bolts

For Bolting Buckets to Grain Elevators.

**Adopted January, 1900**

PRICE PER HUNDRED

| 3/16 AND 1/4 INCH. | | 5/16 INCH. | |
|---|---|---|---|
| 3/4 inch, | $2 20 | 1 Inch, | $3 00 |
| 1 " | 2 30 | 1 1/4 " | 3 20 |
| 1 1/4 " | 2 40 | 1 1/2 " | 3 30 |
| 1 1/2 " | 2 50 | 1 3/4 " | 3 40 |

**Cancel Round Head Stove Bolt and Elevator Bolt Lists on Page 507**

## ROUND HEAD STOVE BOLTS

PRICE PER HUNDRED.

| LENGTH INCHES | 3-16 | 1-4 | 5-16 |
|---|---|---|---|
| 1-2 | $0.85 | $0.95 | .... |
| 5-8 | .85 | .95 | .... |
| 3-4 | .85 | .95 | $1.35 |
| 7-8 | .90 | 1.00 | 1.40 |
| 1 | .90 | 1.00 | 1.45 |
| 1 1-4 | .95 | 1.05 | 1.55 |
| 1 1-2 | 1.00 | 1.10 | 1.65 |
| 1 3-4 | 1.05 | 1.15 | 1.70 |
| 2 | 1.10 | 1.20 | 1.75 |
| 2 1-4 | 1.15 | 1.25 | 1.80 |
| 2 1-2 | 1.20 | 1.30 | 1.85 |
| 2 3-4 | 1.25 | 1.35 | 1.90 |
| 3 | 1.30 | 1.40 | 1.95 |

SINK BOLTS WITH 2 NUTS.

| Length, Inches. | 1-4 |
|---|---|
| 1 | $1.30 |
| 1 1-4 | 1.35 |
| 1 1-2 | 1.40 |
| 1 3-4 | 1.45 |
| 2 | 1.50 |
| 2 1-4 | 1.55 |
| 2 1-2 | 1.60 |
| 2 3-4 | 1.65 |
| 3 | 1.70 |
| 3 1-2 | 1.80 |
| 4 | 1.90 |
| .... | .... |
| .... | .... |

## SLEIGH SHOE BOLTS

List Adopted by the Bolt and Nut Manufacturers' Association, Sept. 2nd, 1889.

PRICE PER HUNDRED.

| LENGTH. Inch. | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 |
|---|---|---|---|---|---|
| 1 1-4 | $1.90 | .... | .... | .... | .... |
| 1 1-2 | 2.00 | $2.70 | .... | .... | .... |
| 1 3-4 | 2.15 | 2.85 | .... | .... | .... |
| 2 | 2.25 | 3.05 | $5.00 | $7.40 | $9.00 |
| 2 1-2 | 2.50 | 3.35 | 5.40 | 7.80 | 9.50 |
| 3 | 2 75 | 3.65 | 5.80 | 8.20 | 10.00 |
| 3 1-2 | 3.00 | 3 95 | 6.20 | 8.60 | 10.50 |
| 4 | 3.25 | 4.25 | 6.60 | 9.00 | 11.00 |
| 4 1-2 | .... | 4.55 | 7.00 | 9.40 | 11.50 |
| 5 | .... | 4.90 | 7.40 | 9.80 | 12.00 |
| 5 1-2 | .... | 5.20 | 7.80 | 10.20 | 12.50 |
| 6 | .... | 5.55 | 8.20 | 10.60 | 13.00 |
| 6 1-2 | .... | 5.85 | 8.60 | 11.00 | 13.50 |
| 7 | .... | 6.20 | 9.00 | 11.40 | 14.00 |
| 7 1-2 | .... | 6.50 | 9.40 | 11.80 | 14.50 |
| 8 | .... | 6.85 | 9.80 | 12.20 | 15.00 |

## Elevator Bolts

For Bolting Buckets to Grain Elevators.

WROUGHT IRON.

| 3-16 AND 1-4 INCH. | | 5-16 INCH. | |
|---|---|---|---|
| 3-4 inch | $2.20 per 100 | 1 inch | $3.00 per 100 |
| 1 " | 2.20 " | 1 1-4 " | 3.00 " |

## Step and Shaft Bolts

PRICE PER HUNDRED.

Shaft Bolt.

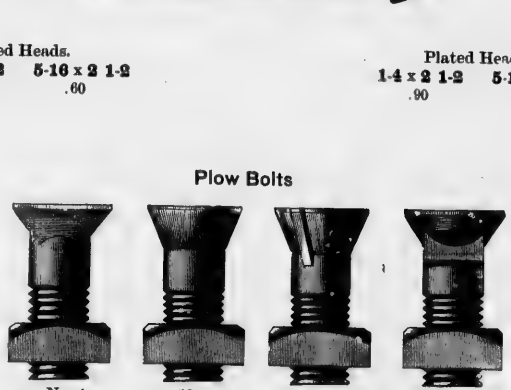
| LENGTH. Inch. | 1-4 | 5-16 |
|---|---|---|
| 1 | $3.00 | $4.00 |
| 1 1-4 " | 3.10 | 4.00 |
| 1 1-2 " | 3.20 | 4.00 |
| 1 3-4 " | 3.30 | 4.00 |
| 2 " | 3.40 | 4.10 |
| 2 1-4 " | 3.50 | 4.20 |
| 2 1-2 " | 3.60 | 4.40 |
| 2 3-4 " | 3.70 | 4.50 |
| 3 " | 3.80 | 4.70 |
| 3 1-2 " | 4.00 | 5.00 |
| 4 " | 4.20 | 5.30 |

Step Bolt.

## SPRING BAR BOLTS

| | Polished Heads. | | Plated Heads. | |
|---|---|---|---|---|
| | 1-4 x 2 1-2 | 5-16 x 2 1-2 | 1-4 x 2 1-2 | 5-16 x 2 1-2 |
| Per dozen .... | $0.60 | .60 | .90 | .90 |

## Plow Bolts



No. 4. Square Head. | No. 2. Round Head. | No. 1. Key Head. | No. 3. Short Square.

**In ordering Plow Bolts, please state what style heads are desired, and whether right or left hand threads.**

PRICE PER HUNDRED.

| Length. | 5-16 Inch. | 3-8 Inch. | 7-16 Inch. | 1-2 Inch. | 9-16 Inch. | 5-8 Inch. |
|---|---|---|---|---|---|---|
| 1 1-4 inch | 1.70 | 2.00 | 2.60 | 3.50 | 4.50 | 5.70 |
| 1 1-2 " | 1.80 | 2.10 | 2.75 | 3.70 | 4.75 | 6.00 |
| 1 3-4 " | 1.90 | 2.20 | 2.90 | 3.90 | 5.00 | 6.30 |
| 2 " | 2.00 | 2.30 | 3.05 | 4.10 | 5.25 | 6.60 |
| 2 1-4 " | 2.10 | 2.40 | 3.20 | 4.30 | 5.50 | 6.90 |
| 2 1-2 " | 2.20 | 2.50 | 3.35 | 4.50 | 5.75 | 7.20 |
| 2 3-4 " | 2.30 | 2.60 | 3.50 | 4.70 | 6.00 | 7.50 |
| 3 " | 2.40 | 2.70 | 3.55 | 4.90 | 6.25 | 7.80 |
| 3 1-4 " | 2.50 | 2.80 | 3.80 | 5.10 | 6.50 | 8.10 |
| 3 1-2 " | 2.60 | 2.90 | 3.95 | 5.30 | 6.75 | 8.40 |
| 3 3-4 " | 2.70 | 3.00 | 4.10 | 5.50 | 7.00 | 8.70 |
| 4 " | 2.80 | 3.10 | 4.25 | 5.70 | 7.25 | 9.00 |
| 4 1-4 " | 2.90 | 3.20 | 4.40 | 5.90 | 7.50 | 9.30 |
| 4 1-2 " | 3.00 | 3.30 | 4.55 | 6.10 | 7.75 | 9.60 |
| 4 3-4 " | 3.10 | 3.40 | 4.70 | 6.30 | 8.00 | 9.90 |
| 5 " | 3.20 | 3.50 | 4.85 | 6.50 | 8.25 | 10.20 |
| 5 1-4 " | 3.30 | 3.60 | 5.00 | 6.70 | 8.50 | 10.50 |
| 5 1-2 " | 3.40 | 3.70 | 5.15 | 6.90 | 8.75 | 10.80 |
| 5 3-4 " | 3.50 | 3.80 | 5.30 | 7.10 | 9.00 | 11.10 |
| 6 " | 3.60 | 3.90 | 5.45 | 7.30 | 9.25 | 11.40 |

# NUTS

CANADIAN MANUFACTURERS' STANDARD LIST.

## Hot Pressed and Forged Square Nuts

## Hot Pressed Hexagon Nuts

**Adopted January 11th, 1900.**

| Order Number | Size Square | Thickness | Diameter Hole | Size of Bolt | Price per Pound | Average No. in 100 lbs. |
|---|---|---|---|---|---|---|
| 1 | 1/2 | 1/4 | 7/32 | 1/4 | 13 Cents | 7500 |
| 2 | 5/8 | 5/16 | 9/32 | 5/16 " | 11.5 " | 3500 |
| 3 | 3/4 | 3/8 | 11/32 | 3/8 " | 10.0 " | 2100 |
| 4 | 7/8 | 7/16 | 25/64 | 7/16 " | 9.2 " | 1400 |
| 5 | 7/8 | 1/2 | 7/16 | 1/2 " | 9.0 " | 1320 |
| 6 | 1 | 1/2 | 7/16 | 1/2 " | 8.7 " | 900 |
| 7 | 1 1/8 | 9/16 | 1/2 | 9/16 " | 8.6 " | 600 |
| 8 | 1 1/8 | 5/8 | 9/16 | 5/8 " | 8.6 " | 590 |
| 9 | 1 1/4 | 5/8 | 9/16 | 5/8 " | 8.5 " | 450 |
| 10 | 1 1/4 | 3/4 | 21/32 | 3/4 " | 8.5 " | 380 |
| 11 | 1 3/8 | 3/4 | 21/32 | 3/4 " | 8.4 " | 325 |
| 12 | 1 1/2 | 3/4 | 21/32 | 3/4 " | 8.4 " | 265 |
| 13 | 1 5/8 | 7/8 | 25/32 | 7/8 " | 8.3 " | 190 |
| 14 | 1 3/4 | 7/8 | 25/32 | 7/8 " | 8.3 " | 160 |
| 15 | 1 3/4 | 1 | 7/8 | 1 " | 8.3 " | 145 |
| 16 | 2 | 1 | 7/8 | 1 " | 8.2 " | 110 |
| 17 | 2 | 1 1/8 | 15/16 | 1 1/8 " | 8.3 " | 100 |
| 18 | 2 1/4 | 1 1/8 | 15/16 | 1 1/8 " | 8.2 " | 80 |
| 19 | 2 1/4 | 1 1/4 | 1 1/16 | 1 1/4 " | 8.4 " | 75 |
| 20 | 2 1/2 | 1 1/4 | 1 1/16 | 1 1/4 " | 8.3 " | 55 |
| 21 | 2 3/4 | 1 3/8 | 1 3/16 | 1 3/8 " | 8.5 " | 42 |
| 22 | 3 | 1 1/2 | 1 5/16 | 1 1/2 " | 8.7 " | 33 |
| 23 | 3 1/4 | 1 5/8 | 1 7/16 | 1 5/8 " | 8.9 " | 26 |
| 24 | 3 1/2 | 1 3/4 | 1 9/16 | 1 3/4 " | 9.3 " | 22 |
| 25 | 3 3/4 | 1 7/8 | 1 11/16 | 1 7/8 " | 9.4 " | 20 |
| 26 | 4 | 2 | 1 13/16 | | 9.6 " | 15 |

| Order Number | Short Diameter | Thickness | Diameter Hole | Size of Bolt | Price per Pound | Average No. per 100 lbs. |
|---|---|---|---|---|---|---|
| 27 | 1/2 | 1/4 | 7/32 | 1/4 | 20 Cents | 8900 |
| 28 | 5/8 | 5/16 | 9/32 | 5/16 | 16 " | 4300 |
| 29 | 3/4 | 3/8 | 11/32 | 3/8 | 13 " | 2600 |
| 30 | 7/8 | 7/16 | 25/64 | 7/16 | 11.4 " | 1600 |
| 31 | 7/8 | 1/2 | 7/16 | 1/2 | 11.2 " | 1450 |
| 32 | 1 | 1/2 | 7/61 | 1/2 | 10.5 " | 1000 |
| 33 | 1 1/8 | 9/16 | 1/2 | 9/16 | 10.4 " | 800 |
| 34 | 1 1/8 | 5/8 | 9/16 | 5/8 | 10.4 " | 650 |
| 35 | 1 1/4 | 5/8 | 9/16 | 5/8 | 10.1 " | 550 |
| 36 | 1 1/4 | 3/4 | 21/32 | 3/4 | 10.1 " | 500 |
| 37 | 1 3/8 | 3/4 | 21/32 | 3/4 | 9.9 " | 400 |
| 38 | 1 1/2 | 3/4 | 21/32 | 3/4 | 9.9 " | 300 |
| 39 | 1 1/2 | 7/8 | 21/32 | 3/4 | 9.8 " | 270 |
| 40 | 1 5/8 | 7/8 | 25/32 | 7/8 | 9.8 " | 240 |
| 41 | 1 5/8 | 1 | 25/34 | 7/8 | 9.8 " | 210 |
| 42 | 1 3/4 | 1 | 7/8 | 1 | 9.7 " | 180 |
| 43 | 1 3/4 | 1 1/8 | 7/8 | 1 | 9.7 " | 160 |
| 44 | 2 | 1 1/4 | 15/16 | 1 1/8 | 9.7 " | 105 |
| 45 | 2 1/4 | 1 3/8 | 1 1/16 | 1 1/4 | 9.8 " | 80 |
| 46 | 2 1/2 | 1 1/2 | 1 3/16 | 1 3/8 | 10.0 " | 60 |
| 47 | 2 3/4 | 1 5/8 | 1 5/16 | 1 1/2 | 10.2 " | 45 |
| 48 | 3 | 1 3/4 | 1 7/16 | 1 5/8 | 10.4 " | 36 |
| 49 | 3 1/4 | 1 7/8 | 1 9/16 | 1 3/4 | 10.7 " | 29 |
| 50 | 3 1/2 | 2 | 1 11/16 | 1 7/8 | 10.9 " | 23 |
| 51 | 3 1/2 | 2 | 1 13/16 | 2 | 11.1 " | 24 |

Any sizes not enumerated on above list will be charged extra at our discretion.

# Wrought Iron Washers

**Canadian Manufacturers' List. Adopted February 1st, 1900**

IN 50 LB. BOXES

| Size of Hole in Inches. | Diameter. | Thickness Gauge. | Price per 100 lbs. | Average Number in 100 lbs. |
|---|---|---|---|---|
| 3/16 | 7/16 | No. 18 | $20 00 | 50,000 |
| 1/4 | 9/16 | " 18 | 18 00 | 39,700 |
| 5/16 | 3/4 | " 16 | 15 00 | 13,900 |
| 3/8 | 7/8 | " 16 | 13 00 | 11,250 |
| 7/16 | 1 | " 14 | 10 50 | 6,800 |
| 1/2 | 1 1/4 | " 13 | 10 00 | 4,300 |
| 9/16 | 1 3/8 | " 12 | 9 00 | 2,600 |
| 5/8 | 1 1/2 | " 12 | 9 00 | 2,250 |
| 11/16 | 1 3/4 | " 10 | 8 50 | 1,300 |
| 3/4 | 1 3/4 | " 10 | 8 50 | 1,150 |
| 13/16 | 2 | " 10 | 8 50 | 1,010 |
| 7/8 | 2 | " 9 | 8 50 | 910 |
| 15/16 | 2 1/4 | " 9 | 8 50 | 860 |

| Size of Hole in Inches. | Diameter. | Thickness Gauge. | Price per 100 lbs. | Average Number in 100 lbs. |
|---|---|---|---|---|
| 1 | 2 1/4 | No. 9 | $ 8 50 | 750 |
| 1 1/16 | 2 1/2 | " 9 | 8 50 | 625 |
| 1 1/8 | 2 1/2 | " 9 | 8 50 | 575 |
| 1 1/4 | 2 3/4 | " 9 | 8 50 | 520 |
| 1 5/16 | 2 3/4 | " 9 | 8 50 | 470 |
| 1 3/8 | 3 | " 9 | 8 50 | 400 |
| 1 7/16 | 3 | " 8 | 8 50 | 350 |
| 1 1/2 | 3 1/4 | " 8 | 9 00 | 300 |
| 1 5/8 | 3 1/2 | " 8 | 9 00 | 260 |
| 1 3/4 | 3 3/4 | " 8 | 9 00 | 230 |
| 1 7/8 | 4 | " 8 | 9 00 | 215 |
| 2 | 4 1/4 | " 8 | 9 00 | 190 |

For 25 lb. Boxes, half cent per lb. extra, net.
For under 25 lbs., one cent per lb. extra, net.

**Cancel Lists on Page 509**

## NUTS

MANUFACTURERS' STANDARD LIST.

Hot Pressed and Forged Square Nuts

Hot Pressed Hexagon Nuts

| SQUARE | | | | | | | HEXAGON | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. | Size Square | Thickness | Size Hole | Size of Bolt | Price per 100 lbs | Average No. in 100 lbs. | No. | Size | Thickness | Size Hole | Size of Bolt | Price per 100 lbs | Average No. in 100 lbs. |
| 1 | 1-2 | 1-4 | 7-32 | 1-4 | $18.00 | 7500 | 28 | 1-2 | 1-4 | 7-32 | 1-4 | $20.00 | 8700 |
| 2 | 5-8 | 5-16 | 9-32 | 5-16 | 11.50 | 4000 | 29 | 5-8 | 5-16 | 9-32 | 5-16 | 16.00 | 4200 |
| 3 | 3-4 | 3-8 | 11-32 | 3-8 | 10.00 | 2200 | 30 | 3-4 | 3-8 | 11-32 | 3-8 | 13.00 | 2600 |
| 4 | 7-8 | 7-16 | 13-32 | 7-16 | 9.00 | 1400 | 31 | 7-8 | 7-16 | 13-32 | 7-16 | 11.20 | 1700 |
| 5 | 7-8 | 1-2 | 7-16 | 1-2 | 9.00 | 1350 | 32 | 7-8 | 1-2 | 7-16 | 1-2 | 11.20 | 1450 |
| 6 | 1 | 1-2 | 7-16 | 1-2 | 8.70 | 1000 | 33 | 1 | 1-2 | 7-16 | 1-2 | 10.50 | 1100 |
| 7 | 1 1 8 | 9-16 | 1-2 | 9-16 | 8.50 | 660 | 34 | 1 1-8 | 9-16 | 1-2 | 9-16 | 10.30 | 700 |
| 8 | 1 1-8 | 5-8 | 9-16 | 5-8 | 8.50 | 590 | 35 | 1 1-8 | 5-8 | 9-16 | 5-8 | 10.30 | 650 |
| 9 | 1 1-4 | 5 8 | 9-16 | 5-8 | 8.30 | 450 | 36 | 1 1-4 | 5-8 | 9-16 | 5-8 | 9 80 | 550 |
| 10 | 1 1-4 | 3-4 | 21-32 | 3-4 | 8.80 | 380 | 37 | 1 1-4 | 3-4 | 9-16 | 5-8 | 9.80 | 525 |
| 11 | 1 3-8 | 3-4 | 21-32 | 3-4 | 8.30 | 325 | 38 | 1 1-4 | 3-4 | 21-32 | 3-4 | 10.30 | 500 |
| 12 | 1 1-2 | 3-4 | 21-32 | 3-4 | 8 00 | 265 | 39 | 1 3-8 | 3-4 | 21-32 | 3-4 | 9.80 | 400 |
| 13 | 1 5-8 | 7-8 | 25-32 | 7-8 | 8.00 | 190 | 40 | 1 1-2 | 3-4 | 21-32 | 3-4 | 9.50 | 300 |
| 14 | 1 3-4 | 7-8 | 25-32 | 7-8 | 8.00 | 150 | 41 | 1 1-2 | 7-8 | 21-32 | 3-4 | 9.50 | 270 |
| 15 | 1 3-4 | 1 | 7-8 | 1 | 8.00 | 145 | 42 | 1 5-8 | 7-8 | 25-32 | 7-8 | 9.50 | 240 |
| 16 | 1 3-4 | 1 1-8 | 7-8 | 1 | 8.00 | 130 | 43 | 1 5-8 | 1 | 25-32 | 7-8 | 9.50 | 210 |
| 17 | 2 | 1 | 7-8 | 1 | 8.00 | 110 | 44 | 1 3-4 | 1 | 7-8 | 1 | 9.50 | 180 |
| 18 | 2 | 1 1-8 | 15-16 | 1 1-8 | 8.00 | 95 | 45 | 1 3-4 | 1 1-8 | 7-8 | 1 | 9.50 | 160 |
| 19 | 2 1-4 | 1 1-8 | 15-16 | 1 1-8 | 8.00 | 75 | 46 | 2 | 1 1 4 | 15-16 | 1 1-8 | 9.50 | 105 |
| 20 | 2 1-4 | 1 1-4 | 1 1-16 | 1 1-4 | 8.30 | 68 | 47 | 2 1-4 | 1 3-8 | 1 1-16 | 1 1-4 | 9.80 | 80 |
| 21 | 2 1-2 | 1 1-4 | 1 1-16 | 1 1-4 | 8.00 | 55 | 48 | 2 1-2 | 1 1-2 | 1 3-16 | 1 3-8 | 9.80 | 60 |
| 22 | 2 3-4 | 1 3-8 | 1 3-16 | 1 3-8 | 8.30 | 42 | 49 | 2 3-4 | 1 5-8 | 1 5-16 | 1 1-2 | 10.00 | 45 |
| 23 | 3 | 1 1-2 | 1 5-16 | 1 1-2 | 8.30 | 32 | 50 | 3 | 1 3-4 | 1 7-16 | 1 5-8 | 10.50 | 35 |
| 24 | 3 1-4 | 1 5-8 | 1 7-16 | 1 5-8 | 8.80 | 25 | 51 | 3 1-4 | 1 7-8 | 1 9-16 | 1 3-4 | 10.50 | 30 |
| 25 | 3 1-2 | 1 3-4 | 1 9-16 | 1 3-4 | 9.80 | 22 | 52 | 3 1-2 | 2 | 1 11-16 | 1 7-8 | 11.00 | 24 |
| 26 | 3 3-4 | 1 7-8 | 1 11-16 | 1 7-8 | 9.80 | 20 | 53 | 3 1-2 | 2 | 1 13-16 | 2 | 11.00 | 25 |
| 27 | 4 | 2 | 1 13-16 | 2 | 9.80 | 15 | | | | | | | |

Sizes not enumerated above will be charged extra.

☞ When ordering please give number in left hand column.

## Wrought Iron Washers

STANDARD LIST.

| Size of Hole. | Diameter. | Gauge. | Price per Lb. | Size of Hole. | Diameter. | Gauge. | Price per Lb. |
|---|---|---|---|---|---|---|---|
| 3-16 | 7-16 | 18 | 20 cents | 7-8 | 2 | 9 | 8 cents |
| 1-4 | 1-2 | 18 | 18 " | 15-16 | 2 1-4 | 9 | 8 " |
| 1-4 | 9-16 | 16 | 15 " | 1 | 2 1-4 | 9 | 8 " |
| 5-16 | 5-8 | 16 | 15 " | 1 1-16 | 2 1-4 & 2 1-2 | 9 | 8 " |
| 5-16 | 3-4 | 16 | 15 " | 1 1-8 | 2 1-2 | 9 | 8 " |
| 3-8 | 7-8 | 14 | 13 " | 1 1-4 | 2 1-2 & 2 3-4 | 8 | 8 " |
| 7-16 | 1 | 14 | 10 " | 1 3-8 | 2 3-4 & 3 | 8 | 8 " |
| 1-2 | 1 1-8 & 1 1-4 | 13 | 10 " | 1 1-2 | 3 & 3 1-4 | 8 | 8 " |
| 9-16 | 1 1-4 & 1 3-8 | 12 | 9 " | 1 5-8 | 3 3-4 | 8 | 8 " |
| 5-8 | 1 3-8 & 1 1-2 | 12 | 9 " | 1 7-8 | 4 | 8 | 8 " |
| 11-16 | 1 1-2 & 1 3-4 | 10 | 8 " | 2 | 4 1-4 | 8 | 8 " |
| 3-4 or 13-16 | 1 3-4 & 2 | 10 | 8 " | 2 1-8 | 4 1-2 | 8 | 8 " |

Packed in 50 lb. boxes.

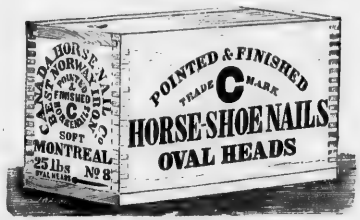
For packages of 25 lbs. and less than 50 lbs., half cent per lb. extra, net.

For packages under 25 lbs., one cent per lb. extra, net.

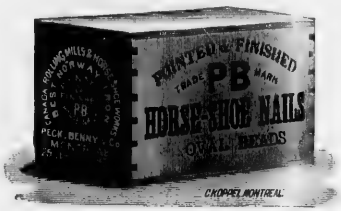
Extra sizes or gauges ten per cent. advance.

## HORSE NAILS

"C" Brand.




P. B. Brand.



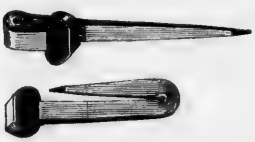

Oval Head.

Short Oval Head.

Countersunk Head.

Oval Heads always sent unless otherwise ordered.

### Cuts of Sample Tests Showing Quality of Material Used



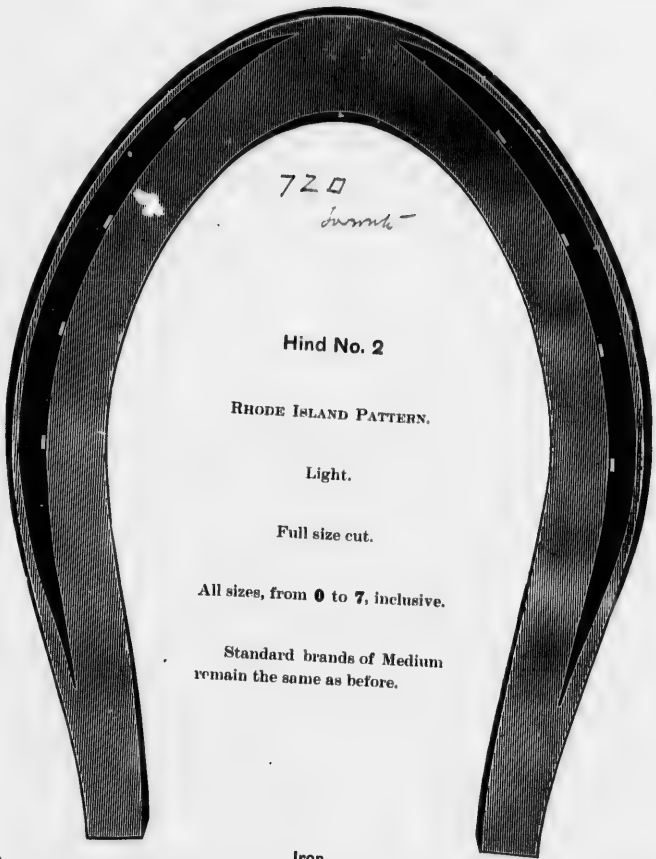
Every Nail uniform and perfect.

| Nos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Per pound | $1.50 | 1.00 | .75 | .50 | .30 | .27 | .24 | .23 |
| Length, inch | 1 1-2 | 1 5-8 | 1 3-4 | 1 7-8 | 2 | 2 1-8 | 2 1-4 | 2 3-8 |
| Number, per pound | 320 | 271 | 248 | 187 | 167 | 131 | 115 | 94 |

| Nos | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|
| Per pound | $0.22 | .22 | .22 | .22 | .22 | .22 | .22 |
| Length, inch | 2 1-2 | 2 5-8 | 2 3-4 | 2 7-8 | 3 | 3 1-8 | 3 1-4 |
| Number, per pound | 91 | 76 | 72 | 65 | 64 | 61 | 60 |

25 pounds in a box.

## HORSE SHOES




**Hind No. 2**

RHODE ISLAND PATTERN.

Light.

Full size cut.

All sizes, from **0** to **7**, inclusive.

Standard brands of Medium remain the same as before.

**Iron.**

Light, medium or heavy patterns ..... Per 100 pounds $.....

Snow Shoes, 25 cents per 100 lbs. extra.

**X.L. Steel Shoes.**

Nos. ..... 0 .. 1 .. 2 ..... 3 .. 4 .. 5 ..... Assorted 0 to 5
Per 100 lbs. ..... $ ..... .....

100 lbs. in a keg.

When ordering please say pattern required, also whether "all forward" or "all hind" are wanted. If not otherwise ordered we send assorted (half each fore and hind).

**Approximate Weight of Shoes, in Ounces, and Number in 100 Lbs.**

LIGHT PATTERN.

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| Front (ounces) | 12 | 14½ | 17½ | 21 | 25 | 29½ | 38 | 42 |
| Number in keg | 133 | 110 | 92 | 76 | 64 | 54 | 42 | 38 |
| Hind (ounces) | 10 | 12 | 15 | 18 | 21 | 25 | 31 | 34 |
| Number in keg | 160 | 133 | 107 | 89 | 76 | 64 | 52 | 47 |

MEDIUM PATTERN.

| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Front (ounces) | 17 | 20 | 25 | 28 | 36 | 39 | 46 |
| Number in keg | 94 | 80 | 64 | 57 | 45 | 41 | 35 |
| Hind (ounces) | 13 | 17 | 21 | 25 | 28 | 33 | 38 |
| Number in keg | 123 | 94 | 77 | 64 | 57 | 49 | 42 |

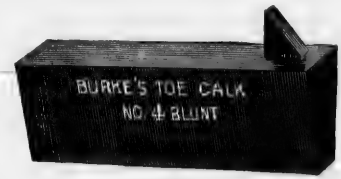
X.L. STEEL.

| Nos. | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| FRONT. Weight | 10 | 12 | 14 | 17 | 22 |
| FRONT. Number in Keg | 160 | 134 | 114 | 96 | 73 |
| HIND. Weight | 8 | 9 | 10 | 12 | 15 | 19 |
| HIND. Number in Keg | 200 | 178 | 160 | 134 | 107 | 74 |

## STEEL TOE CALKS

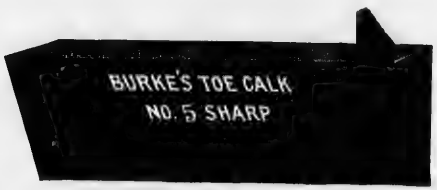
These Calks are made from extra grade of steel, specially selected for its welding and hardening properties.

No. 0.




No. 4.

No. 1.




No. 5.

No. 2.

No. 3.

No. 6.

Full size cuts

**Blunt**

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | Per pound $0.10 |
|---|---|---|---|---|---|---|---|---|

**Sharp**

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | Per pound $0.12 |
|---|---|---|---|---|---|---|---|---|

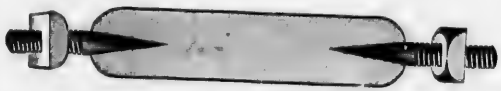
Twenty-five pounds in a box.

NOTE.—Unless otherwise ordered, SHARP Toe Calks will be supplied.

## PATENT BRASS TOE WEIGHTS

| Weight, ounces | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Per pair | $1.00 | 1.05 | 1.15 | 1.20 | 1.30 |

## SUPERIOR AXLE CLIPS



| No. | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| Diameter of shank, inch | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 |
| Width of flat part, inch | 7-8 | 7-8 | 7-8 | 7-8 | 7-8 | 7-8 | 7-8 |
| Length of flat part, inch | 2 3-4 | 3 1-4 | 3 3-4 | 4 1-4 | 4 3-4 | 5 1-4 | 6 |
| Per dozen | $0.70 | .70 | .75 | .78 | .97 | 1.20 | 1.50 |

Four dozen in a box.

## Norway Iron Spring Bar Clips

| No. | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| Diameter of shank, inch | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 | 5-16 |
| Width of flat part, inch | 5-8 | 5-8 | 5-8 | 5-8 | 5-8 | 5-8 | 5-8 |
| Length of flat part, inch | 4 1-4 | 4 3-4 | 5 1-4 | 5 3-4 | 6 1-2 | 7 | 7 3-4 |
| Per dozen | $1.00 | 1.15 | 1.22 | 1.30 | 1.45 | 1.65 | 1.85 |

Four dozen in a box.

## Norway Iron Cutter Clips

| No. | 0 | 1 | 2 | 3 |
|---|---|---|---|---|
| Diameter of shank, inch | 1-4 | 1-4 | 1-4 | 1-4 |
| Width of flat part, inch | 5-8 | 5-8 | 5-8 | 5-8 |
| Length of flat part, inch | 2 | 2 1-2 | 3 | 3 1-2 |
| Per dozen | $1.00 | 1.00 | 1.00 | 1.10 |

Four dozen in a box.

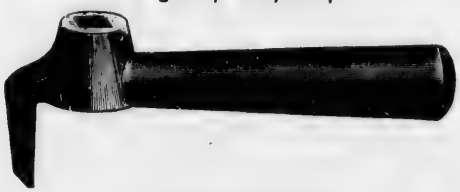
## HALF ROUND BUGGY SADDLE CLIPS

Clips are made from Norway Iron.

No. **3**—For 1 1-4 inch spring, flat part 2 inches long ..... Per dozen sets $2.50
No. **10**—For 1 1-2 inch spring, flat part 3 3-4 inches long ..... Per dozen sets 2.50
No. **11**—For 1 1-2 inch spring, flat part 4 1-4 inches long ..... Per dozen sets 2.50

One dozen sets in a box.

## Single Lip Body Loop



Made of the best Norway Iron.

Norway Iron Body Loops ..... Per dozen $1.25

Two dozen in a box.

## Wrought Felloe Plates

Wrought Felloe Plates for Felloes, 7-8, 1, 1 1-8, 1 1-4 ..... Per pound $0.09

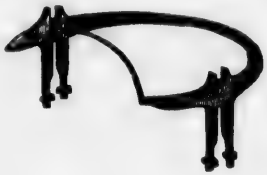
5 lbs. in a box.

## Japanned Carriage Knobs

No. **75**—Japanned Carriage Knobs ..... Per gross $0.60

One gross in a box.

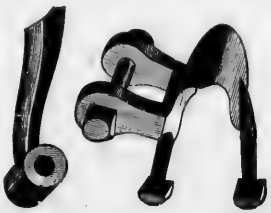
## DERBY FIFTH WHEELS



5-8 inch iron, 12 to 16 inch diameter, 7-8 to 1 1-4 inch axle ..... Each $0.90
3-4 inch iron, 12 to 16 inch diameter, 1, 1 1-8, 1 1-4, 1 3-8 inch axle ..... Each 1.05
7-8 inch iron, 14 to 18 inch diameter, 1 1-8, 1 1-4, 1 3-8, 1 1-2 inch axle ..... Each 1.95
1 inch iron ..... Each 2 75

**In ordering, be particular to give outside diameter, size of iron and width of axle.**

## Finished Shaft Couplings



**Made of the best Norway Iron.**

| Inch | 1 (light.) | 1 | 1 1-8 | 1 1-4 |
|---|---|---|---|---|
| Per dozen pairs | $6.00 | 6.50 | 8.00 | 9.50 |

**Half dozen pairs in a box.**

## Clip King Bolts

**Finished.**

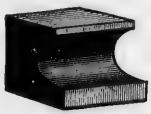
No. 1—For light buggies, 1-2 inch at collar ..... Per dozen $4.00
No. 2—For ordinary buggies, 9-16 inch at collar ..... Per dozen 4.00
No. 3—For heavy wagons, 5-8 inch at collar ..... Per dozen 4.75
No. 4—For extra heavy wagons, 3-4 inch at collar ..... Per dozen 7.25

## ANTI-RATTLERS

The "Dandy."

Wire.

Rubber.



"Dandy" Anti-Rattlers, crucible steel ..... Per dozen pairs $1.20
Wire Anti-Rattlers ..... Per dozen pairs .45
Rubber Anti-Rattlers, 1, 1 1-8, 1 1-4 inch ..... Per dozen pairs .45

One dozen pairs in a box.

## Rubber Springs or Bumpers

Rubber Bumpers, for 1 1-4, 1 1-2 inch springs ..... Per pound $0.33

## Fiberoid Axle Washers

FOR NUT.

| Nos. | 2 | 15 | 40 | 41 | 29 | 67 | 81 | 147 |
|---|---|---|---|---|---|---|---|---|
| Size of axle, inch | 3-4 | 7-8 | 15-16 | 15-16 | 1 | 1 1-8 | 1 1-4 | 1 1-8 |
| Inside measurement, inch | 12-16 | 13-16 | 15-16 | 15-16 | 14-16 | 1 1-16 | 1 2-16 | 1 7-16 |
| Outside measurement, inch | 1 1-16 | 1 2-16 | 1 3-16 | 1 4-16 | 1 4-16 | 1 6-16 | 1 8-16 | 1 14-16 |
| Per hundred | $0.45 | .45 | .45 | .45 | .45 | .55 | .60 | .75 |

FOR COLLAR.

| Nos. | 42 | 68 | 94 | 120 | 148 | 159 | 213 |
|---|---|---|---|---|---|---|---|
| Size of axle, inch | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 1-4 | 1 1-2 |
| Inside measurement, inch | 15 16 | 1 1-16 | 1 3-16 | 1 5-16 | 1 7-16 | 1 8-16 | 1 12-16 |
| Outside measurement, inch | 1 5-16 | 1 7-16 | 1 9-16 | 1 11-16 | 1 15-16 | 1 14-16 | 2 4-16 |
| Per hundred | $0.55 | .55 | .65 | .65 | .75 | .75 | .85 |

Half hundred in a box.

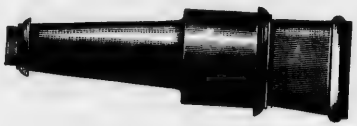
## Adjustable Leather Axle Washers

| Size of axle, inch | 7-8 | .... | 1 | .... | 1 1-8 | .... | 1 1-4 |
|---|---|---|---|---|---|---|---|
| Per hundred | $0.45 | .... | .45 | .... | .50 | .... | .90 |

One hundred in a box.

These Washers are made from best oak tanned stock, and can be cut to fit any nut or collar.

## WAGON SKEINS



| | | | |
|---|---|---|---|
| 2 1-2 x 7 1-2 inches | Per set $2.75 | 3 3-4 x 12 inches | Per set $5.30 |
| 2 3-4 x 8 inches | Per set 3.00 | 4 x 12 inches | Per set 6.00 |
| 3 x 9 1-2 inches | Per set 3.50 | 4 1-4 x 12 inches | Per set 7.00 |
| 3 1-4 x 10 inches | Per set 4.75 | 4 1-2 x 12 inches | Per set 8.75 |
| 3 1-2 x 11 inches | Per set 5.00 | 4 1-2 x 13 inches | Per set 8.75 |
| 3 1-2 x 12 inches | Per set 5.20 | | |

## Welding Compound

The Best Flux known for Welding

IRON TO STEEL

Cherry Heat-Welding
COMPOUND.
Manufactured only by CORNELIUS S. MITCHILL.
645 to 649 WEST 22nd ST. NEW YORK
Trade PATENTED Sept. 16, 1873.
Mark. PATENTED Feb. 17, 1874.

IRON, STEEL,

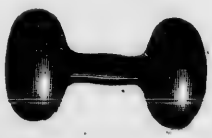
and MALLEABLE Iron to Steel.

Cherry Heat Welding Compound, in 1 lb. tins ..... Per pound $0.25
Cherry Heat Welding Compound, in 5 lb. boxes ..... Per pound 0.20

## Refined Borax

Refined Borax, lump ..... Per pound $0.10
Refined Borax, pulverized ..... Per pound .10 1-2

## Dumb Bells



Dumb Bells, ALL WEIGHTS, cast iron, japanned ..... Per pound $0.06

In ordering state whether weights required are each or per pair.

## WROUGHT STEEL NECK YOKE TRIMMINGS

No. 81.
End Irons. Malleable Ferrule, Steel Ring.

No. 79.
Centre Irons. All Steel.

No. **81**—End Iron. Diameter inside small end of ferrule 1 1-2 inch, 7-16 x 3 1-4 inch ring ..... Per dozen $1.00
No. **79**—Centre Iron. Welded 1-2 inch eyes, 7-16 inch links, 3 1-2 x 5-8 inch ring ..... Per dozen 3.25

## Wrought Steel Singletree Trimmings

No. 37.
Welded Clips with Rings.

No. 56.
Malleable Ferrules, Steel Hooks.

No. **37**—Centre Clip. Round part of clip 9-16 inch, 1-2 inch ring ..... Per dozen $1.20
No. **56**—Ferrule and Hook. Diameter inside small end of ferrule 1 1-2 inch, 7-16 inch hook ..... Per dozen 1.05

## Malleable Whiffletree Hooks and Ferrules

## Malleable Screw Pin Clevises

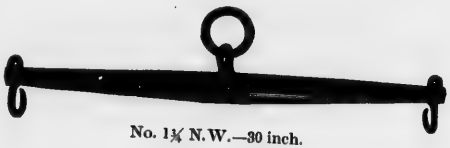
### Malleable Ferrules and Hooks

No. **521**—Ferrule, 1 1-2 inch inside large end, 1 7-8 inch deep ..... Per pound $ .11

### Malleable Screw Pin Clevises

No. **395**—Screw Pin Clevise, 2 inch wide inside, entire length 4 1-2 inches ..... Per pound .04
No. **430**—Screw Pin Clevise, 2 1-2 inch wide inside, entire length 6 inches ..... Per pound .04

## IRONED PLOUGH SINGLETREES



No. 1¼ N.W.—30 inch.

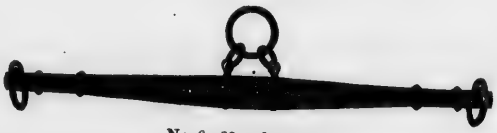
1-2 inch centre clips and 7-16 inch rings, wrought steel, 1 1-4 inch malleable end ferrules and 3-8 inch wrought steel hooks.....Per dozen $4.75

## Ironed Wagon Singletrees

No. 3—36 inch.

9-16 inch centre clips and 1-2 inch rings, wrought steel, 1 1-4 inch malleable end ferrules and 3-8 inch wrought steel hooks.....Per dozen $7.00

## Ironed Wagon Neck Yokes



No. 6—38 and 40 inch.

9-16 inch centre ring, 3-8 inch links, 7-16 inch pins, wrought steel, 1 1-4 inch malleable end ferrules, 3-8 inch wrought steel rings.....Per dozen $9.50

## LIST OF EXTRA PRICES FOR CERTAIN SIZES OF BAR, BAND, HOOP AND OTHER IRON

**Adopted by the "Bar Iron Association," January 26th, 1893.**

| BARS. | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1 2 | 9-16 | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ |
| Flat..... 1-2 inch x | 1.00 | .75 | .75 | .60 | .30 | ..... | ..... | ..... | ..... | ..... | ..... |
| Flat..... 5 8 inch x | .75 | .60 | .60 | .45 | .30 | .30 | ..... | ..... | ..... | ..... | ..... |
| Flat ... . 3-4 inch x | .60 | .45 | .45 | .30 | .30 | .30 | ..... | ..... | ..... | ..... | ..... |
| Flat .. .... 7-8 inch x | .45 | .30 | .30 | .15 | .15 | .15 | .15 | .15 | ..... | ..... | ..... |
| Flat.....1 inch x | .30 | .15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Flat.....1 1-8 inch and up | .15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Small, Round and Square ... | 1.25 | .60 | .45 | .30 | .15 | ..... | ..... | ..... | ..... | ..... | ..... |
| Oval and Half Round ..... | ..... | 1.50 | 1.20 | 1.00 | 1.00 | .80 | .80 | .60 | .40 | .20 | .20 |
| Half Oval..... ..... | ..... | 2.00 | 1.60 | 1.40 | 1.40 | 1.20 | 1.20 | .80 | .60 | .40 | .40 |
| | 3 1-4 | 3 1-2 | 3 3-4 | 4 | 4 1-4 | 4 1-2 | 5 | 5 1-2 | 6 | 6 1-2 | 7 |
| Large Round and Square .. . | .15 | .30 | .45 | .60 | .75 | .90 | 1.20 | 1.50 | 2.00 | 2.50 | 3.00 |

Our Large Round Iron, from 3 1-4 to 7 inches, is of superior quality, and carefully straightened by improved machinery.

Large Flats, at special prices, according to size.

Cutting to exact lengths, 10 cents per 100 lbs. extra.

Best Refined Horse Shoe Iron, 25 cents advance on corresponding price of common iron.

| | 7-8 | | 3-4 | | 5-8 | | 1-2 | |
|---|---|---|---|---|---|---|---|---|
| Band Iron ..... .. | $0.20 | .... | .40 | .... | 1.00 | .... | 2.00 | Per 100 lbs. |

| | 7-8 | 3-4 | 3-4 x 22 | 5-8 x 20 | 5-8 x 22 | 1-2 x 20 | 1-2 x 22 | |
|---|---|---|---|---|---|---|---|---|
| Hoop Iron..... | $0.20 | .40 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | Per 100 lbs. |

### Lowmoor Iron

| | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | Inch. |
|---|---|---|---|---|---|---|---|
| Round and Square..... | $2.50 | 2.00 | 1.50 | 1.00 | .75 | .50 | Per 100 lbs |

| | 7-8 x 1-4 | 1 x 1-4 | 1 1-8 x 1-4 | 1 1-4 x 1-4 | 1 x 3-8 | 1 1-8 x 3-8 | 7-8 x 1-2 | Inch. |
|---|---|---|---|---|---|---|---|---|
| Flat..... ..... | $1.00 | .75 | .50 | .35 | .35 | .25 | .35 | Per 100 lbs. |

### Swedes and Norway Iron

| | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 5-8 | Inch. |
|---|---|---|---|---|---|---|---|
| Round and Square.... | $1.50 | 1.25 | 1.00 | .75 | .50 | .25 | Per 100 lbs |

| | 3-4 | 7-8 | 1 | Inch. |
|---|---|---|---|---|
| Flat, any thickness..... ..... | $0.50 | .25 | .25 | Per 100 lbs. |

### Angle Iron

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 8 x 3-4 | 7-8 | 1 | | 3-16 x 1 | 1 1-4 | 1 1-2 | | 1-4 x 1 | 1 1-4 | 1 1-2 | Inch. |
| $1.25 | 1.00 | 1.00 | ..... | .80 | .60 | .40 | ..... | .60 | .40 | .20 | Per 100 lbs. |

## IRON

Common and Refined Bar Iron.
Refined Horse Shoe Iron.
"Round Oak" Horse Shoe Iron.
Best Refined Oval and Half Oval Iron.
Best Refined Half Round Iron.
Grooved Harrow Iron.
Swedish Bar Iron.
Norway Bar Iron.

Low-Moor Bar Iron.
Best Refined Angle Iron.
Best Hoops and Bands.
Bevelled Iron.
Unequal Sided Angle Iron.
Tee Iron.
Iron and Steel Beams, Channels, Boiler Plates, and every description of iron to size or pattern supplied to order.

## Steel

Spring Steel.
Crucible Spring Steel.
Welding Spring Steel.
Tyre Steel.
Sleigh Shoe Steel.
Toe Caulk Steel.
Bessemer Machinery Steel.
Open Hearth Machinery Steel.
Crucible Machinery Steel.
Harrow Teeth.
Harrow Tooth Steel.
Cultivator Steel, 1-8, 3-16 and 1-4 inch thick, 2 1-2 to 10 inches wide.
Plough Plate Steel, 12 to 14 inches wide, 3-16 and 1-4 inch thick.

Plough Share Steel, Common and Crucible.
Mould Board Steel.
Cylinder Tooth Steel.
Steel Landsides.
Cast Steel Rake Wire.
Bevelled Steel for Seed Drills.
Cultivator Teeth.
Coulter Plates, and Plates for Scufflers.
Soft Steel, Flat, Round and Square.
Needle Bar Steel.
Decarbonized Steel Rods.
Gun Steel Rods.
Charcoal Wire Rods.
Rolling Coulters.

# BAR IRON & STEEL.

## STEEL

**Steel for Sewing Machines, English, French and German.**

**Stubs' Silver Steel**

Nos. 1 to 60 and 1-4 to 3-8ths by 64ths.

**Patent Cold Rolled and Drawn Steel Shafting**

True to size and cut to length.

## Steel Finger Bars

IMPROVED, HAMMERED AND ROLLED.

These bars are very stiff, straight and smooth. The hammering process gives stiffness combined with elasticity. The rolling ensures regularity in size and smoothness.

## Thos. Firth & Sons' Celebrated Cast Steel

**For Chisels, Drills, Hammers, Knives and every description of Tools**

| | |
|---|---|
| Flat | 1-2 x 3-16 to 6 x 2 inches. |
| Round | 3-16 to 3 inches. |
| Square | 3-16 to 3 1-2 inches. |
| Octagon | 1-4 to 2 inches. |

**Soft Centre Cast Steel for Taps**

**Best American Cast Steel, for Tools**

All sizes, Flat, Round, Square and Octagon.

**Best American Miners' Drill Steel**

Octagon, 5-8 to 1 1-2 inches.

**Mushet's Steel** **Best Cast Sheet Steel** **Decarbonized Sheet Steel**

## PLOUGH PLATES

Of all Qualities to any Pattern.

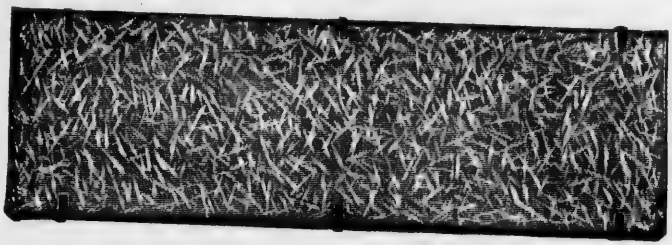
**Crucible Cast Steel, Soft Centre**

**Solid Cast Steel**

**Wayne, Imperial, Open Hearth, Bessemer.**

Best qualities of English, French, German, American and Canadian Steel of all sizes and for every purpose supplied to order.

## SHEET IRON



**Black Sheet Iron, 3-16 inch, and Nos. 10 to 28 Gauge**
**Galvanized Sheet Iron, best American and English Brands, 16 to 28 Gauge**
**Boiler Plates and Circular Boiler Heads**

Any size or quality imported to order.

**Table showing the approximate weights of the different gauges of Sheet Iron, according to the New Standard Gauge of the Board of Trade.**

| No. of Gauge. | Thickness in Inches. | Weight in oz. per sq. foot. | No. of Gauge. | Thickness in Inches. | Weight in oz. per sq. foot. | No. of Gauge. | Thickness in Inches. | Weight in oz. per sq. foot. |
|---|---|---|---|---|---|---|---|---|
| 1 | .30 | 192.00 | 11 | .116 | 74.24 | 21 | .032 | 20.48 |
| 2 | .276 | 176.64 | 12 | .104 | 66.56 | 22 | .028 | 17.92 |
| 3 | .252 | 161.28 | 13 | .092 | 58.88 | 23 | .024 | 15.36 |
| 4 | .232 | 148.48 | 14 | .080 | 51.20 | 24 | .022 | 14.08 |
| 5 | .212 | 135.68 | 15 | .072 | 46.08 | 25 | .020 | 12.80 |
| 6 | .192 | 122.88 | 16 | .064 | 40.96 | 26 | .018 | 11.52 |
| 7 | .176 | 112.64 | 17 | .056 | 35.84 | 27 | .0164 | 10.49 |
| 8 | .160 | 102.40 | 18 | .048 | 30.72 | 28 | .0148 | 9.47 |
| 9 | .144 | 92.16 | 19 | .040 | 25.60 | 29 | .0136 | 8.70 |
| 10 | .128 | 81.92 | 20 | .036 | 23.04 | 30 | .0124 | 7.93 |

The following table gives the approximate weights of the different gauges of sheet iron, etc., by the old gauge (for estimates, etc.) The difference between the weights by old and new standard gauges can be determined.

**Weight of a square foot of Sheet Iron, Copper and Brass, in pounds**

| Thickness by the Old Wire Gauge. | No. | Iron. | Copper. | Brass. | No. | Iron. | Copper. | Brass. | No. | Iron. | Copper. | Brass. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 12.50 | 14.50 | 13.75 | 11 | 5.00 | 5.80 | 5.50 | 21 | 1.40 | 1.62 | 1.54 |
| | 2 | 12.00 | 13.90 | 13.20 | 12 | 4.38 | 5.08 | 4.81 | 22 | 1.25 | 1.45 | 1.37 |
| | 3 | 11.00 | 12.75 | 12.10 | 13 | 3.75 | 4.34 | 4.12 | 23 | 1.12 | 1.30 | 1.22 |
| | 4 | 10.00 | 11.50 | 11.00 | 14 | 3.11 | 3.60 | 3.44 | 24 | 1.00 | 1.16 | 1.10 |
| | 5 | 8.74 | 10.10 | 9.61 | 15 | 2.82 | 3.27 | 3.10 | 25 | .90 | 1.04 | .99 |
| | 6 | 8.12 | 9.40 | 8.93 | 16 | 2.50 | 2.90 | 2.75 | 26 | .80 | .92 | .88 |
| | 7 | 7.50 | 8.70 | 8 25 | 17 | 2.18 | 2.52 | 2.40 | 27 | .72 | .83 | .79 |
| | 8 | 6.86 | 7.90 | 7.54 | 18 | 1.86 | 2.15 | 2.04 | 28 | .64 | .74 | .70 |
| | 9 | 6.24 | 7.20 | 6.86 | 19 | 1.70 | 1.97 | 1.87 | 29 | .56 | .64 | .61 |
| | 10 | 5.62 | 6.50 | 6.18 | 20 | 1.54 | 1.78 | 1.69 | 30 | .50 | .58 | .55 |

**Approximate Weight of Galvanized Sheet Iron by old Wire Gauge per square foot, in ounces**

| Nos. Wire Gauge | 14 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|
| Ounces, per square foot | 54 | 43 | 38 | 33 | 30 | 28 | 24 | 21 |
| Nos. Wire Gauge | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Ounces, per square foot | 19 | 17 | 16 | 15 | 14 | 13 | 12 | 11 |

**Weight of Steel Plate per square foot**

| Inch | 1-4 | 5-16 | 3-8 | 1-2 |
|---|---|---|---|---|
| Lbs., per square foot | 10 1-2 | 13 1-8 | 15 3-4 | 21 |

## RUSSIA SHEET IRON

Genuine Russia Sheet Iron, size of sheet 56 x 28 inches.....Per pound 8

### GAUGE AND WEIGHT OF RUSSIA SHEET IRON.

Russian and English Numbers.

No. **8**—Russia Iron is about No. **25** W.G. and weighs about 8 lbs. per sheet.
No. **9**—Russia Iron is about No. **24** W.G. and weighs about 8 1-2 lbs per sheet.
No. **10**—Russia Iron is about No. **24** W.G. full and weighs about 9 lbs. per sheet.
No. **11**—Russia Iron is about No. **23** W G. and weighs about 10 lbs. per sheet.
No. **12**—Russia Iron is about No. **22** W.G. and weighs about 11 lbs. per sheet.
No. **14**—Russia Iron is about No. **21** W.G. full and weighs about 13 lbs. per sheet.

## Sheet Zinc

Nos **6, 7, 8, 9, 10, 12**, 8 feet x 3 feet.....Per pound 8

In casks about 560 lbs.

Other gauges or widths imported to order.

Zinc Spelter, in slabs.....Per pound 8

### Table Showing Zinc Gauge as Compared with Standard Wire Gauge and Weight of Sheet Zinc per Square Foot in Pounds.

| Nos. —Zinc Gauge. | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
|---|---|---|---|---|---|---|---|---|
| Nos. —Standard W.G. | 36 | 33 | 32 | 30 | 29 | 27 | 26 | 24 |
| Pounds per foot | 0.30 | .37 | .45 | .52 | .60 | .67 | .75 | .90 |

| Nos. —Zinc Gauge | **12** | **13** | **14** | **15** | **16** | **18** | **19** | **20** |
|---|---|---|---|---|---|---|---|---|
| Nos. —Standard W.G | 23 | 21 | 20 | 19 | | | 17 | 16 |
| Pounds per foot | 1.05 | 1.20 | 1.35 | 1.50 | 1.68 | 2.06 | 2.25 | 2.62 |

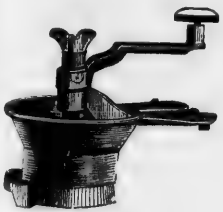
### WEIGHT OF CIRCULAR BOILER HEADS.

| Diameter Inches. | Thickness in Inches. | | | | | | |
|---|---|---|---|---|---|---|---|
| | **3-16** | **1-4** | **5-16** | **3-8** | **7-16** | **1-2** | **9-16** |
| 16 | 11 | 14 | 18 | 21 | 25 | 28 | 32 |
| 18 | 13 | 18 | 22 | 27 | 31 | 36 | 40 |
| 20 | 17 | 22 | 27 | 33 | 38 | 44 | 50 |
| 22 | 20 | 27 | 33 | 40 | 47 | 54 | 60 |
| 24 | 24 | 32 | 40 | 47 | 55 | 64 | 71 |
| 26 | 28 | 37 | 46 | 56 | 64 | 75 | 84 |
| 28 | 32 | 43 | 53 | 65 | 75 | 86 | 97 |
| 30 | 37 | 50 | 62 | 74 | 87 | 100 | 112 |
| 32 | 42 | 56 | 70 | 84 | 99 | 112 | 127 |
| 34 | 48 | 64 | 79 | 96 | 111 | 128 | 143 |
| 36 | 54 | 71 | 89 | 108 | 125 | 142 | 161 |
| 38 | 60 | 79 | 99 | 120 | 139 | 158 | 179 |
| 40 | 66 | 88 | 110 | 132 | 154 | 176 | 198 |
| 42 | 73 | 97 | 121 | 146 | 170 | 194 | 220 |
| 44 | 80 | 107 | 133 | 160 | 187 | 214 | 240 |
| 46 | 88 | 117 | 145 | 176 | 204 | 234 | 262 |
| 48 | 95 | 127 | 158 | 190 | 222 | 254 | 286 |
| 50 | 103 | 138 | 172 | 206 | 241 | 276 | 310 |
| 52 | 112 | 149 | 186 | 224 | 260 | 298 | 335 |
| 54 | 121 | 160 | 200 | 242 | 281 | 320 | 362 |
| 56 | 130 | 172 | 214 | 260 | 302 | 344 | 389 |
| 58 | 139 | 185 | 231 | 278 | 324 | 370 | 417 |

## Sheet Lead

| Weight per square foot, lbs. | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| Thickness, inch | 1-24 | 3-64 | | 1-16 | | 5-64 | 3-32 | | 1-8 |

## PAINT MILLS

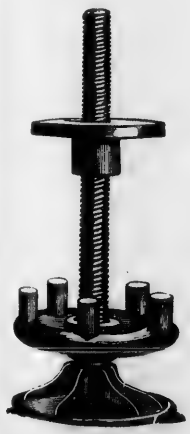


Style of No. 0.

One-quarter Size Cut No. 1.

PAINTED AND STRIPED.

No. 0—.....Each $2.10
No. 1—Harris' Patent, Hopper 6 1-2 x 4 inches.....Each 7.25
No. 2—Harris' Patent, Hopper 7 x 5 inches.....Each 9.00



## Cheese Press Screws

CUT FROM BEST REFINED IRON.

Heavy Square Thread, three to inch.

Nut, Flange and Base Japanned.

22 inches over all, 1 3-4 inches diameter.....Each $3.75
24 inches over all, 1 3-4 inches diameter.....Each 4.25

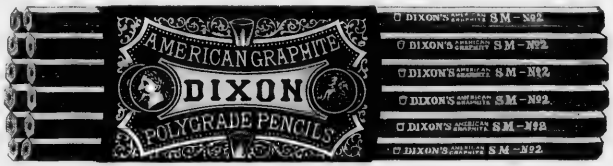
## LEAD PENCILS

### Dixon's Round

No. **259**—Plain cedar, rubber head, blind stamp ..... Per gross $1 60
No. **254**—Polished black, rubber head, blind stamp ..... Per gross 2.25
No. **265**—Daisy, polished cedar, inserted rubber head, blind stamp ..... Per gross 2.75
No. **112**—Fine maroon finish, gilt stamp, medium ..... Per gross 6.00
No. **142**—Natural cedar finish, gilt stamp, soft medium ..... Per gross 6.00
No. **143**—Natural cedar finish, gilt stamp, medium ..... Per gross 6.00
No. **152**—Satin finish, gilt stamp, soft medium ..... Per gross 6.00
No. **153**—Satin finish, gilt stamp, medium ..... Per gross 6.00
No. **154**—Satin finish, gilt stamp, hard ..... Per gross 6.00
No. **107**—Fine black, gilt stamp, medium ..... Per gross 6.00
No. **947**—"Advance," maroon finish, gilt stamp, nickel tip with rubber, medium ..... Per gross 6.50
No. **758**—"Secretary," maroon finish, gilt stamp, nickel tip with rubber, medium ..... Per gross 8.00
No. **750**—"Note Book," cedar finish, tablet size, gilt stamp, nickel tip, soft medium ..... Per gross 5.25
No. **751**—"Note Book," cedar finish, tablet size, gilt stamp, nickel tip, medium ..... Per gross 5.25
No. **383**—"Vest Pocket," blind stamp, inserted rubber, patent point protector ..... Per gross [illegible]
No. **303**—"Car Inspector," satin finish, gilt stamp, extra heavy lead ..... Per gross 9.00

### American Pencil Co's Round

No. **A**—Round plain cedar, without stamp ..... Per gross 0.75
No. **1040**—"Dickens," cedar finish, plain stamp, inserted rubber ..... Per gross 1.50
No. **362**—"Classic," assorted black rosewood and natural finish, sliding nickel tip with rubber ..... Per gross 5.75
No. **532**—"Pioneer," assorted black rosewood and natural finish, nickel tip, flat rubber eraser ..... Per gross 5.75
No. **465**—"Beats All," maroon finish, gilt stamp, nickel tip, round rubber eraser ..... Per gross 2.85
No. **22**—Glass finish, gilt stamp, soft medium, in fancy case ..... Per gross 5.75
No. **23**—Glass finish, gilt stamp, medium, in fancy case ..... Per gross 5.75
No. **24**—Glass finish, gilt stamp, medium hard, in fancy case ..... Per gross 5.75
No. **23**GT—Walnut finish, gilt stamp, gilt tip with rubber, medium ..... Per gross 8.25
No. **33**—Elephant, with ring, extra large, 11 x 5-8 inches ..... Per dozen 2.40




### Dixon's Hexagon

No. **117**—Maroon finish, gilt stamp, medium ..... Per gross $9.50

### American Pencil Co's Hexagon

No. **700**H—"Globe," plain cedar, plain stamp ..... Per gross $1.25
No. X**29**—"Sphinx," black finish, gilt stamp, nickel tip with rubber ..... Per gross 5.75

## Colored Lead Pencils

No. **350**—Dixon's Best, 7 inch, blue lead, round, plain finish ..... Per gross $9.50

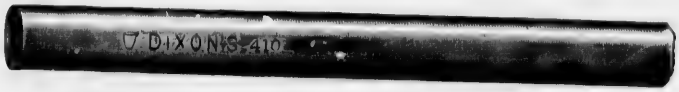
## Rubber Tips or Heads

No. **379**—Hexagon Rubber Heads ..... Per gross $1.50
No. **451**—Wedge Shape Rubber Heads ..... Per gross 2.00

## Slate Pencils

No. **845**—Round plain cedar, blind stamp ..... Per gross $1.90
Common Slate Pencils ..... Per box 0.15

## CARPENTERS' PENCILS




### Dixon's Oval

No. **410** 7 inch, polished cedar, blind stamp ..... Per gross $3.50
No. **411** 9 inch, polished cedar, blind stamp ..... Per gross 4.50
No. **412**—12 inch, polished cedar, blind stamp ..... Per gross 5.75

### American Pencil Co.'s Oval

No. **742**—7 1-4 inch, cedar, black polish, gilt stamp ..... Per gross $5.00
No. **744**—12 1-2 inch, cedar, black polish, gilt stamp ..... Per gross 8.75

### Dixon's Beveled

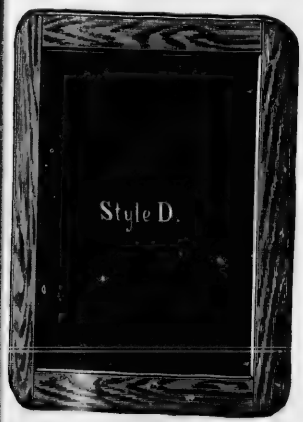
No. **535**—7 inch, beveled edges, satin finish, gilt stamp ..... Per gross $6.75

### American Pencil Co.'s Beveled

No. **587**—7 inch, beveled edges, cedar, tortoise shell, glass finish, gilt stamp ..... Per gross $5.75

## Lumber Pencils

No. **520**—Dixon's Red Lead, paper covered, hexagon, 4 3-4 x 1-2 inch ..... Per dozen $1.50
No. **521**—Dixon's Blue Lead, paper covered, hexagon, 4 3-4 x 1-2 inch ..... Per dozen 1.50
No. **362**—Dixon's Black Lead, hexagon ..... Per dozen 1.15
No. **756**—American Pencil Co.'s Black Lead, hexagon, 6 inch ..... Per dozen 0.85




## Hard Frame Slates

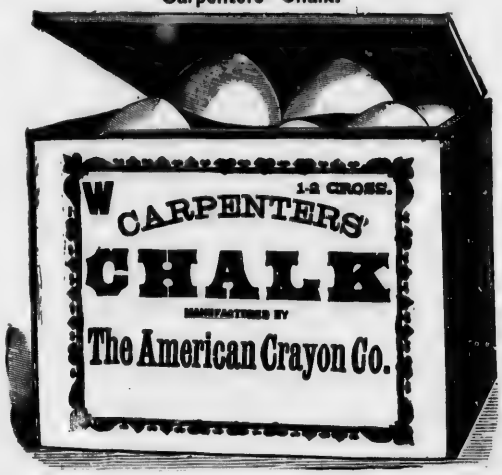
ROUND CORNERS.

| Inch | 5 x 7 | 6 x 9 | 6 1-2 x 10 |
|---|---|---|---|
| Per dozen | $0.55 | .75 | .80 |
| **Inch** | **7 x 10** | **8 x 12** | **9 x 13** |
| Per dozen | $1.00 | 1.35 | 1.50 |

White.....Per Gross, $0.12

ONE GROSS IN A BOX.

**Carpenters' Chalk.**




White.....Per Gross, $0.72
Red.....Per Gross, 1.00
Blue.....Per Gross, 1.10

HALF GROSS IN A BOX.

**White Lump Chalk.**

Price.....Per Pound, $0.04

PACKED AS WANTED.

**Red Keil.**

Price.....Per Pound, $0.12

PACKED AS WANTED.

## SAND AND GARNET PAPER, EMERY CLOTH AND EMERY

### "Flint" Sand Paper, in Sheets.

| Nos | 00 | 0 | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|
| Per ream | $4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 5.00 | 5.00 | 5.00 |

Half ream in a package.

### "Flint" Sand Paper, in Rolls.

| Nos | 00 | 0 | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 |
|---|---|---|---|---|---|---|---|---|---|
| 24 inch wide, Per roll | $ 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.50 | 6.00 | 6.50 | 7.50 |
| 30 inch wide, Per roll | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 9.00 | 10.00 | 11.00 | 13.00 |
| 36 inch wide, Per roll | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 11.00 | 12.00 | 13.00 | 15.00 |
| 40 inch wide, Per roll | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 13.00 | 14.00 | 15.00 | 17.00 |

Fifty yards in a roll.

### "Garnet" Paper, in Sheets.

| Nos | 00 | 0 | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|
| Per ream | $5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 6.00 | 6.50 | 7.00 |

Half ream in a package.

### "Garnet" Paper, in Rolls.

| Nos | 00 | 0 | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 |
|---|---|---|---|---|---|---|---|---|---|
| 24 inch wide, Per roll | $ 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.50 | 7.25 | 8.25 | 9.50 |
| 30 inch wide, Per roll | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 10.00 | 11.00 | 12.00 | 14.00 |
| 36 inch wide, Per roll | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 12.00 | 13.00 | 14.00 | 16.00 |
| 40 inch wide, Per roll | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 14.00 | 15.00 | 16.00 | 18.00 |

Fifty yards in a roll.

### Emery Cloth, in Sheets.

| Nos | Crocus. | FF | F | 00 | 0 | 100 |
|---|---|---|---|---|---|---|
| Comparative Nos. of Emery | | FF | F | 140 | 120 | 100 |
| Per ream | $18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |
| Nos | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 |
| Comparative Nos. of Emery | 90 | 80 | 70 | 60 | 54 | 46 |
| Per ream | $18.00 | 18.00 | 18.00 | 20.00 | 24.00 | 26.00 |

Quarter ream in a package.

### Emery.

Flour ..... Per pound $0.06
Nos. 0 to 3 ..... Per pound .09¼

### Quartz.

Nos. 00 to 3 1-2 ..... Per pound $0.06

### Comparative Numbers of Emery.

| American Nos | FF | 00 | 0 | 100 | 1-2 | 1 | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|
| English Nos | Fine Flour. | Flour. | 120 | 100 | 90 | 80 | 70 | 60 | 54 | 46 |

## LE PAGE'S LIQUID GLUE

### Family Glue

Liquid Glue, 1 ounce bottles ..... Per dozen $1.00
Liquid Glue, 2 ounce bottles ..... Per dozen 1.50

### In Tins for Mechanics' Use

| Size | 1-2 Pint | 1 Pint | 1 Quart | 1-2 Gallon | 1 Gallon |
|---|---|---|---|---|---|
| Per dozen | $3.00 | 5.00 | 8.50 | 13.50 | 24.00 |
| Tins, in case....Dozen | 2 | 1 | 1 | 1-2 | 1-2 |

### Glue

Broken Sheet Glue.
French Sheet Glue, Stars and Stripes.
French Sheet Glue, Lion, Medal.
Extra Grades Cabinet Makers' Glue, in strips and sheets.

### White Glue (for Sizing, etc.)

N. W.—White Glue, medium quality.
N. N. W.—White Glue, best quality.
I. X. L.—White Glue, extra quality.

### Putz Paste Extract

For cleaning brass, copper and all metals ..... Per dozen $1.50

### Putz Pomade (Liquid)

Putz Liquid Pomade, in 1-2 pint tins. ..... Per dozen $2.25

### OAKEY'S WELLINGTON KNIFE POLISH

Oakey's Wellington Knife Polish, in tins ..... Per dozen $2.00
One dozen in a box.

### OAKEY'S INDIA RUBBER KNIFE BOARDS

Oakey's Rubber Knife Boards, first quality, 18 x 6 inches .... Per dozen $1.00
Oakey's Rubber Knife Boards, first quality, 24 x 6 inches ..... Per dozen 4.50

## LEATHER CEMENT

### Domestic Clarified Leather Cement

The clearest, the purest and strongest Leather Cement made. Used by shoemakers and cobblers for shoes, threshing machine operators, grist, saw and other mill men where Leather belting is used. Every bottle is guaranteed.

| | |
|---|---|
| 1 ounce bottles | Per gross $13.50 |
| 2 ounce bottles | Per gross 22.50 |
| 4 ounce bottles | Per gross 36.00 |
| Half-pint screw top cans | Per dozen 7.20 |
| One pint screw-top cans | Per dozen 13.50 |
| One quart screw-top cans | Per dozen 26.00 |
| In bulk | Per gallon 8.00 |

### Domestic Rubber Cement

The only Genuine Vulcanite Cement made, is compounded from Pure Caoutchouc Sap as it comes from the tree, and treated by a chemical process entirely different from any other, which increases its tenacity. It penetrates and softens the fibre of the rubber, instead of evaporating as others do, thereby making it the strongest and most tenacious of any cement on the market. These are points that determine price comparing. Remember this, and when you buy either rubber or leather cements consult your best interests by getting the Domestic Rubber Cement It is the best, and therefore the cheapest.

| | |
|---|---|
| 1 ounce bottles | Per gross $13.50 |
| 2 ounce bottles | Per gross 22.50 |
| 4 ounce bottles | Per gross 36.00 |
| Half-pint screw top cans | Per dozen 6.00 |
| One pint screw-top cans | Per dozen 10.50 |
| One quart screw-top cans | Per dozen 18.00 |
| In bulk | Per gallon 5.00 |

### Liquid Bicycle Tire Cement

It is the STRONGEST, the most TENACIOUS, and CLEANEST; and will cement tires where all other preparations have failed.

| | |
|---|---|
| 2 ounce bottles | Per gross $36.00 |
| One pint screw-top cans | Per dozen 10.80 |
| One quart screw-top cans | Per dozen 18.00 |
| In bulk | Per gallon 5.75 |

## STOVE POLISH

One-third size cut.

Half size cut.

Gem Stove Paste ..... Per gross $13.50
Silver Star Stove Paste ..... Per gross 13.50

### Black Diamond Stove Paste

BLACK DIAMOND STOVE PASTE is the only OIL Paste made in Canada; will not dry up or rust the tins, and produces a black and brilliant polish ..... Per gross $13.50

One-quarter gross in a box.

We can supply BLACK DIAMOND Stove Paste in large tins or in bulk for stove dealers' use.

### Royal Dome Blacklead

ROYAL BLACKLEAD does not stain the hands or burn red with a poisonous odor, like most paste and liquid polishes; it retains its lustre on a red hot stove, and has stood the test for over thirty years ..... Per gross $2.70

Half dozen domes in a box; six boxes in a package.

Half size cut.

### "Ferri" Stove Polish

A new combination of iron, carbon and lead. From actual tests made it stands a fire resistance of 1893 degrees of heat; blacklead will only stand a resistance of 1060 degrees; fully 25 per cent. of the hard leads used do not stay on the stove, but come off, to the annoyance of those using it ..... Per gross $12.00

One-quarter gross in a box.

## Shoe Polish

Half size cut.

### British Military Blacking

It is entirely free from the sticky qualities of most all other blackings, and will polish all kinds of leather, old or new, retaining the gloss longer than any other blacking made ..... Per gross $13.50

### Serrano's Spanish Blacking

No. 3—Serrano's Spanish Blacking ..... Per gross $ 6.75
No. 10—Serrano's Spanish Blacking ..... Per gross 13.50

One-quarter gross in a box.

Half size cut.

.....Per gross $13.50
.....Per gross 13.50

or rust the tins, and
.....Per gross $13 50

e dealers' use.

nost paste and liquid
ears.....Per gross $2.70

sh
d. From actual tests
egrees of heat; black-
degrees; fully 25 per
ay on the stove, but
ng it.....Per gross $12.00
box.

ther blackings, and
ng the gloss longer
.....Per gross $13 50

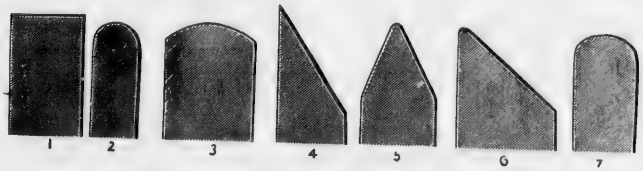
.....Per gross $ 6.75
.....Per gross 13.50

## EMERY WHEELS

### REVISED PRICE LIST OF EMERY WHEELS.

| Diameter of Wheels in Inches. | Thickness in Inches. | | | | | | | | | | | | | | | | Rev. per minute |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-4 | 3 1-2 | 3 3-4 | 4 | |
| 1 1-2 | .40 | .45 | .50 | .55 | .60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 | 1.00 | 1.05 | 1.10 | 10000 |
| 2 | .50 | .55 | .60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 | 1.00 | 1.05 | 1.10 | 1.15 | 1.20 | 10000 |
| 2 1-2 | .65 | .75 | .85 | .95 | 1 05 | 1.15 | 1.25 | 1.35 | 1.45 | 1.55 | 1.65 | 1.75 | 1.85 | 1.95 | 2.05 | 8000 |
| 3 | .80 | .95 | 1.10 | 1.25 | 1.40 | 1.55 | 1.70 | 1.85 | 2.00 | 2.15 | 2.30 | 2.45 | 2.60 | 2.75 | 2.90 | 7400 |
| 3 1-2 | .95 | 1.15 | 1.35 | 1.55 | 1.75 | 1.95 | 2.15 | 2.35 | 2.55 | 2.75 | 2.95 | 3.15 | 3.35 | 3.55 | 3.75 | 6400 |
| 4 | 1.10 | 1.35 | 1.60 | 1.85 | 2.10 | 2.35 | 2.60 | 2.85 | 3.10 | 3.35 | 3.60 | 3.85 | 4.10 | 4.35 | 4.60 | 5450 |
| 4 1-2 | 1.25 | 1.55 | 1.85 | 2.15 | 2.45 | 2.75 | 3.05 | 3.35 | 3.65 | 3.95 | 4.25 | 4.55 | 4.85 | 5.15 | 5.45 | 4900 |
| 5 | 1.40 | 1.80 | 2.20 | 2.60 | 3.00 | 3.40 | 3.80 | 4.20 | 4.60 | 5.00 | 5.40 | 5.80 | 6 20 | 6.60 | 7.00 | 4400 |
| 6 | 1.75 | 2.40 | 3.00 | 3.70 | 4.35 | 5.00 | 5.65 | 6.25 | 6.80 | 7.45 | 8.10 | 8.75 | 9.40 | 10 00 | 10.50 | 3600 |
| 7 | 2.15 | 3.00 | 3.85 | 4.70 | 5.55 | 6.40 | 7.25 | 8.10 | 8.90 | 9.70 | 10.50 | 11.30 | 12.10 | 12.90 | 13.70 | 3150 |
| 8 | 2.60 | 3.60 | 4.60 | 5.60 | 6.60 | 7.60 | 8.60 | 9.60 | 10.60 | 11.60 | 12.60 | 13 60 | 14.60 | 15.60 | 16.60 | 2750 |
| 9 | 3.10 | 4.35 | 5.60 | 6.75 | 7.50 | 8.75 | 10.00 | 11.25 | 12.50 | 13.75 | 15.00 | 16.25 | 17.50 | 18.75 | 20.00 | 2450 |
| 10 | 3.60 | 5.10 | 6.60 | 8.00 | 9.50 | 11.00 | 12.40 | 13.75 | 15.25 | 16.75 | 18.15 | 19.50 | 21.00 | 22.25 | 23.75 | 2200 |
| 12 | 4.00 | 5.75 | 7.35 | 9.00 | 10.70 | 12.25 | 14.00 | 15.70 | 17.40 | 19.00 | 20.70 | 22.25 | 24.00 | 25.75 | 27.40 | 1850 |
| 14 | 6.25 | 8.45 | 10.65 | 12.90 | 15.10 | 17.40 | 19.50 | 21.80 | 24.00 | 26.30 | 28.60 | 30.75 | 33.00 | 35.40 | 37.50 | 1600 |
| 16 | 8.00 | 10.85 | 13.70 | 16.50 | 19.40 | 22.25 | 25.00 | 27.90 | 30.75 | 33.50 | 36.40 | 39.25 | 42.00 | 45.00 | 48.00 | 1400 |
| 18 | 9.50 | 13.25 | 17.00 | 20.75 | 24.50 | 28.25 | 32.00 | 35.75 | 39.50 | 43.25 | 47.00 | 50.75 | 54.50 | 58.00 | 62.00 | 1250 |
| 20 | 12 00 | 16.00 | 20.50 | 25.00 | 29.00 | 33.50 | 38.00 | 42.50 | 47.00 | 51.50 | 56.00 | 60.50 | 65.00 | 69.50 | 74.00 | 1100 |
| 22 | 14.50 | 19.00 | 25.00 | 29.87 | 35.50 | 41.12 | 46.75 | 52.00 | 58.00 | 63.50 | 69.25 | 74.00 | 80.50 | 85.00 | 91.75 | 1000 |
| 24 | 17.00 | 22.00 | 29.00 | 36.00 | 43.00 | 50.00 | 57.00 | 64.00 | 71.00 | 78.00 | 85.00 | 92.00 | 99.00 | 105 00 | 112.00 | 925 |
| 30 | | | | | | | 87.50 | | 109.00 | | 131.00 | | 153.00 | | 175.00 | 735 |
| 36 | | | | | | | 127.00 | | 157.00 | | 188.00 | | 219.00 | | 250.00 | 500 |

For all Wheels thinner than 1-2 inch, use list of 1-2 inch. N.B.—Wheels of any thickness between the above dimensions are listed the same as next size thicker.




### DIRECTIONS FOR ORDERING EMERY WHEELS.

State diameter, thickness and size of Mandrel Hole.
For shape of face, give number from diagram, or a drawing if different from them.
Give number of revolutions of spindle or shaft.
State kind of metal to be ground: *i. g.*, cast or wrought iron, steel or brass, or for general purposes, etc.
State if wheel is to grind surface only, or the edge of the article to be ground.
State whether the article to be ground is held in the hand of the operator, or whether it is held mechanically and fed up to the wheel.

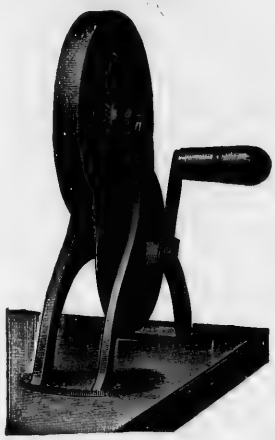
NOTE.—To insure satisfaction, the above information should always be given when ordering wheels.

## EMERY GRINDERS

HAND AND FOOT POWER.

### "The Kitchen"

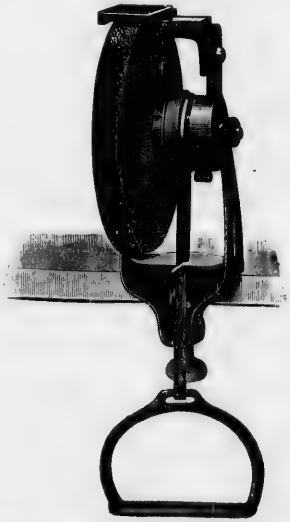
(Hand Power.)



The "Kitchen," for grinding knives, etc., hand power ..... Each $1.50

### "The Home"

(Hand or Foot Power.)



Can be run either by foot or hand at great speed. It is provided with a flat coil spring to draw back the strap attached to stirrup and also with a clutch, so that the wheel runs only in one direction. It has a rest for knives and scissors when they are being sharpened.

Each ..... $3.00

### "The Shop"

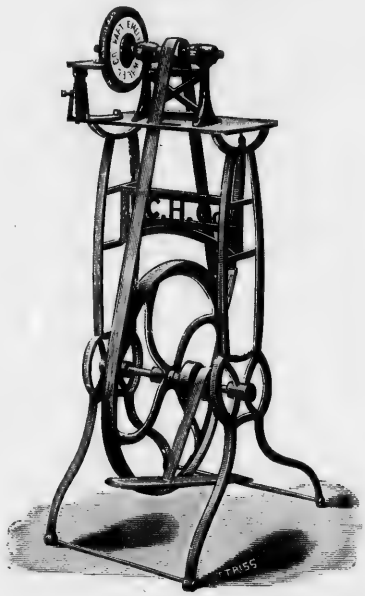
(Foot Power.)

The wheel can be removed and replaced by another at any time, and extra wheels can be supplied.

Each ..... $4.0

## EMERY GRINDERS

### The "Complete"



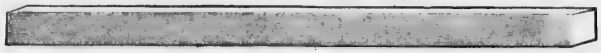
Each ..... $18.00

A foot power Emery Wheel Grinder, carrying a solid wheel 6 inches in diameter, 3-4 inch thick. The greatest possible power is gained by the mechanical construction, while a speed of one mile a minute on the periphery of the wheel is easily maintained. For light filing and general grinding it has no superior. Where there is no power available it will prove itself indispensable. Complete in itself it occupies little space. Can be placed anywhere, and is always ready for work.

### Emery Wheel Dressers

Emery Wheel Dressers, complete ..... Each $1.80
Emery Wheel Dresser, wheels only ..... Per set 1.05

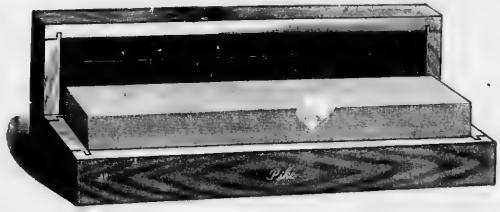
## STONES



**Water of Ayr Axe Stone**

| | | |
|---|---|---|
| Water of Ayr Axe Stone, 2 1-2 to 3 1-2 x 1 1-2 x 1-2 inch | Per pound | $0.17 |
| Water of Ayr Axe Stone, 6 x 3-4 x 3-4 inch | Per dozen | .70 |
| Nile Green Axe Stone | Per dozen | .45 |
| Poko Axe Stone | Per pound | .25 |
| Washita Axe Stone | Per pound | .20 |
| Hindostan Axe Stone | Per pound | .10 |

| | | |
|---|---|---|
| Washita Oil Stone, No. 2 | Per pound | $0.30 |
| Washita Oil Stone, No. 1 | Per pound | .45 |
| Washita Oil Stone, extra (blue paper) | Per pound | .65 |
| Washita Oil Stone, Lily White or Anchor | Per pound | .75 |
| Water of Ayr Stone, 7 1-2 x 2 x 1 inch | Per pound | .20 |
| Turkey Oil Stone | Per pound | .55 |



| | | |
|---|---|---|
| Washita Mounted Oil Stones, 6 inches | Per dozen | $11.50 |
| Washita Mounted Oil Stones, 8 inches | Per dozen | 14.00 |

| | | |
|---|---|---|
| Washita Oil Slips | Per pound | $0.80 |
| Turkey Oil Slips | Per dozen | 3.25 |

## Razor Hones

| | | |
|---|---|---|
| No. 1103 1-2—Belgian Razor Hones, 6 inch | Per dozen | $3.75 |
| No. 1103 1-2—Belgian Razor Hones, 7 inch | Per dozen | 5.00 |
| No. 1103 —Belgian Razor Hones, 7 inch | Per dozen | 7.00 |
| No. 1103 —Belgian Razor Hones, 8 inch | Per dozen | 19.00 |

## DEERLICK OIL STONES

DEERLICK OIL STONE CO.
THE BEST OIL STONE ON THE MARKET FOR GENERAL PURPOSES
GUARANTEED TO GIVE SATISFACTION.
USE LARDOIL IF NECESSARY REDUCE WITH ALCHOL OR IF USED WITH WATER ONLY IT SURPASSES THE ORDINARY OIL STONE.
CHAGRIN FALLS, O.

Deerlick Oil Stones, 8 x 2 x 3-4 inches.... .....Per pound $0.37½

Packed 12 1-2 and 25 lbs. in a box.

## Emery Oil Stones

Emery Oil Stones..... .....Per dozen $3.25

## Deerlick Oil Slips

Deerlick Oil Slips, 3 to 5 1-2 x 1 1-2 to 2 x 3-8 to 5-8 inches thick.....Per pound $0.65

Five pounds in a box.

## Deerlick Table Stones

Deerlick Table Stones, 12 to 13 inches ..... .....Per dozen $3.00

One-sixth gross in a box.

## Emery Knife Sharpeners

No. 22—Emery Knife Sharpeners, with guard. ..... .....Per dozen $2.25

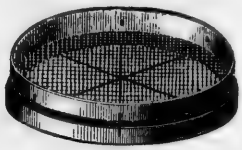
One dozen in a box.

## SIEVES AND RIDDLES

### Timothy and Flour Sieves

Three in a Nest. Size, 11, 12 and 13 inches diameter.

### Farmers' Seed Sieves



### Timothy and Flower Sieves

Nos. 14, 16, 18, 20, 22 mesh, tinned ..... Per dozen $2.25

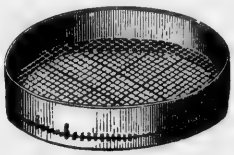
### Farmers' Seed Sieves

18 inch diameter, 2 to 22 mesh ..... Per dozen $6.00

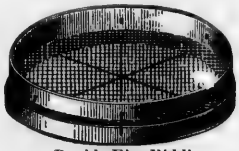
### Potato Riddles

18 inch diameter, 2 inch space ..... Per dozen $8.00

### Moulders' Riddles



Single Rim Riddle.
Nos. 1, 7-8, 3-4, 5-8, 1-2, 3-8 Mesh.



Double Rim Riddle.
Nos. 3, 4, 5, 6, 7, 8, 10, 12, 14, 16 Mesh.

| 18 inch diameter | Steel | Galvanized | Brass |
|---|---|---|---|
| Per dozen | $10.80 | 13.50 | 18.00 |

## FOUNDRY BRUSHES

### Moulders' Hard Brushes

**79** Roached Face. Handled if required.

| | Per dozen. |
|---|---|
| No. 1, mixed stock | $5.40 |
| No. 2, all hair | 8.00 |
| No. 3, all fine bristles | 11.00 |

### Moulders' Dusters or Soft Brushes

**80**

| | Per dozen. |
|---|---|
| No. 3 | $ 7.50 |
| No. 4 | 8.50 |
| No. 5 | 9.00 |
| No. 6 | 11.00 |
| No. 7, extra | 11.00 |

### Moulders' Scratch or Steel Wire Brushes

For cleaning Castings, Facing Stone etc. Finest Flat Spring Steel Wire. Hardwood Backs.

**81**

| | Per dozen. |
|---|---|
| 4 Row, extra | $ 8.00 |
| 5 Row, extra | 10.00 |
| 2 Row, extra, handled | 6.00 |
| 4 Row, extra, handled | 9.00 |
| Round, handled | 7.00 |

### Steel Wire Brooms

Made of Finest Flat Spring Steel Wire. For Stoke Holes and Heavy Work.

**81-A**

| | Per dozen. |
|---|---|
| 10 inch | $21.00 |
| 12 inch | 25.50 |
| 14 inch | 31.00 |

Handles for above sent free only when ordered.

## CRUCIBLES

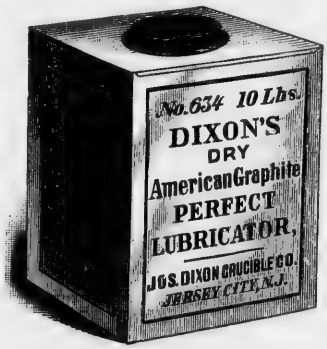
| Nos. | 1 | 2 | 6 | 10 |
|---|---|---|---|---|
| Each | $0.37½ | .42 | .67½ | .90 |

Larger than No. 10.....Per No. $0.08

Capacity, 3 lbs. molten metal per number.

Prices given do not include covers—with covers not carried in stock.

## Plumbago




English Plumbago (in bulk).

| Nos. | 1753 | .... | 50 |
|---|---|---|---|
| Per pound | $0.10 | .... | .12 |

Dixon's Perfect Lubricator

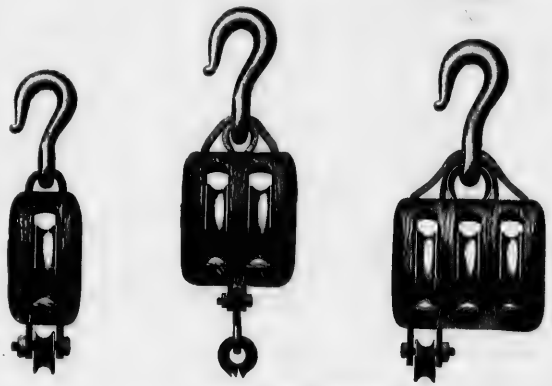
1 lb. Paper Cans. Per pound, $0.37½.

5 lb. Tin Cans, Screw-top. Each, $1.75.

10 lb. Cans, Screw-top. Each, $3.00.

## INSIDE IRON STRAPPED TACKLE BLOCKS

Iron Sheaves.



Blocks for Rope Straps

State when ordering whether required with or without Beckets.

| DIMENSIONS | | IRON BUSHED | | |
|---|---|---|---|---|
| | | Single, Each. | Double, Each. | Triple, Each. |
| Size 3 inches. | For Rope 5-16 inches. | $ 0.70 | $ 1.30 | $ 1.75 |
| " 3 1-2 " | " 3-8 " | .75 | 1.45 | 2.00 |
| " 4 " | " 1-2 " | .85 | 1.60 | 2.15 |
| " 5 " | " 5-8 " | .90 | 1.75 | 2.25 |
| " 6 " | " 3-4 " | 1.10 | 2.90 | 2.90 |
| " 7 " | " 7-8 " | 1.30 | 2.40 | 3.50 |
| " 8 " | " 1 " | 1.65 | 2.85 | 4.25 |
| " 9 " | " 1 " | 1.85 | 3.40 | 4.75 |
| " 10 " | " 1 1-8 " | 2.75 | 4.50 | 6.25 |
| " 11 " | " 1 1-8 " | 4.45 | 7.50 | 10.65 |
| " 12 " | " 1 1-4 " | 7.00 | 10.50 | 15.00 |
| " 13 " | " 1 1-4 " | 8.00 | 13.00 | 18.00 |
| " 14 " | " 1 3-8 " | 10.00 | 15.00 | 22.00 |
| " 15 " | " 1 1-2 " | | | |
| " 16 " | " 1 5-8 " | | | |

## Wood Tackle Blocks

For Rope Straps.

| Inch | 3 | 3 1-2 | 4 |
|---|---|---|---|
| For Rope, inch | 5-16 | 3-8 | 1-2 |
| Single, each | $0.37 1-2 | .45 | .50 |
| Double, each | 0.65 | .85 | .90 |

## Wood Snatch Blocks

| | Swivel Hooks. | Steel Pins. | Iron Sheaves. |
|---|---|---|---|
| Shell, inch | | 10 | 12 |
| For Rope, inch | | 1 1-4 | 1 1-2 |
| Each | | $8.50 | 10.00 |

## WROUGHT STEEL TACKLE BLOCKS

Iron Sheaves (Loose Hooks). Not Swivel as shown in cuts.

Well adapted for Railroad, Mining, Quarry and Contractors' Work.

Cuts show Swivel Hook.

| Inch | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
|---|---|---|---|---|---|---|---|
| For rope, inch | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 |
| Single, each | $1.00 | 1.15 | 1.30 | 1.50 | 2.05 | 3.80 | 4.50 |
| Double, each | 1.90 | 2.10 | 2.25 | 2.75 | 3.75 | 5.00 | 7.00 |
| Triple, each | | | 3.00 | 3.75 | 5.00 | 7.00 | 10.00 |

## Galvanized Tackle Blocks

Malleable Iron Shell. Iron Sheaves. Wrought Iron Loose Hooks.

| For rope, inch | 3-8 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|
| Single, each | $0.35 | .45 | .75 | 1.05 |
| Double, each | .40 | 1.20 | | 1.65 |

## Wrought Iron Snatch Blocks

| For rope, inch | 1 | 1 1-4 |
|---|---|---|
| Each | $3.50 | 4.50 |

Snatch Block.

## Gin Blocks

Wrought Iron Frame. Swivel Hooks.

| Inch | 14 | 16 |
|---|---|---|
| Each | $5.00 | 6.00 |

Gin Block.

## Iron Sheaves

| Inch | 3 x 3-4 | 3 1-2 x 7-8 | 4 x 1 | 4 1-2 x 1 1-8 | 5 x 1 1-4 |
|---|---|---|---|---|---|
| Per dozen | $2.25 | 3.50 | 5.00 | 6.75 | 10.00 |

## LITTLE GIANT, HOLD-FAST

## STEEL

## TACKLE BLOCKS

These Tackle Blocks will hold the load at any point without fastening the rope.

The heavier the load the tighter the grip.

The lower block is so constructed that it cannot turn bottom side up, as is the case with other blocks.

They are made of steel, and are the best and strongest rope hoist on the market.

They can be fitted with rope for hoisting load any required distance.

### PRICE LIST

Per set of Upper and Lower Blocks (without rope).

| | |
|---|---|
| No. 1—For one half inch rope, capacity 1000 lbs | Each $5.00 |
| No. 2—For five-eighth inch rope, capacity 2000 lbs | Each 6.50 |
| No. 3—For three-quarter inch rope, capacity 3000 lbs | Each 8.00 |
| No. 4—For three-quarter inch rope, capacity 4000 lbs | Each 11.00 |

No. 4 has three wheels in each block.

## WESTON'S DIFFERENTIAL PULLEY BLOCKS

TANGYES' PATENT.

With Tangyes' Patent Chain Guide.

Which permits block to be used either horizontally or at any angle and prevents chain locking.

With 40 feet best best chain to each.

| Tested to ..... Tons | 1-2 | 1 | 1 1-2 | 2 | 3 |
|---|---|---|---|---|---|
| Each ..... | $11.25 | 15.75 | 20.00 | 24.00 | 30.00 |

These Blocks are recognized everywhere as the standard, and are in use in all first-class shops and manufactories.

## CORDAGE

### Manilla Hemp

1-4 to 3-8 inch diameter.
7-16 inch diameter and larger
Hide Rope.
Hide Rope, in strand.
Tallow Laid Transmission Rope.

### Sisal Hemp

1-4 to 3-8 inch diameter.
7-16 inch diameter and larger.
Hide Rope.
Hide Rope, in strand.
Spoke Cord.
Clothes Lines, 3 ply, 48 feet.
Clothes Lines, 3 ply, 60 feet.
Clothes Lines, 3 ply, 72 feet.
Clothes Lines, 3 ply, 60 feet, heavy.
Clothes Lines, 3 ply, 72 feet, heavy.
Clothes Lines, 6 ply, 60 feet.
Clothes Lines, 6 ply, 72 feet.
Plough Lines, tapered.
Snap Halters, small.
Snap Halters, large.
Lath Yarn, dry tarred.

### Jute Hemp

1-4 to 3-4 inch diameter.
Clothes Lines, 60 feet.
Clothes Lines, 72 feet.
Plough Lines with snaps.
Snap Halters, small.
Snap Halters, large.
Head Halters.
Lath Yarn, dry tarred.

### Russian Hemp

Deep Sea Line, 9 threads,
Deep Sea Line, No. 2.
Deep Sea Line, No. 1.
Sash Cord, No. 2.
Sash Cord, No. 1.
Rope, No. 1, 3-8 to 3-4 inch diameter.
Rope, No. 2, 3-8 to 3-4 inch diameter.
Halyards.
Lead Lines.
Hide Cord.
Snap Halters, small.
Snap Halters, large.
Plough Lines, tapered, without snaps.
Plough Lines, plain, with snaps.
Clothes Lines, 60 feet.
Clothes Lines, 72 feet.

### Russian Hemp (Tarred)

Ratline.
Marline.
Houseline.
Hambro Line.
Spun Yarn.
Lath Yarn, No. 1.
Lath Yarn, No. 2.

### White Cotton

Cotton Rope, 1-8 inch diameter.
Cotton Rope, 3-16 inch diameter.
Cotton Rope, 1-4 inch diameter and larger.
Clothes Lines, 40 feet.
Clothes Lines, 50 feet.
Clothes Lines, 60 feet.
Clothes Lines, 72 feet.

**All classes of Cordage not specified in above list supplied to order.**

## BINDER TWINE

In 50 Lb. Bales.

Sisal Binder Twine □ =

No. 1 Manilla Binder Twine

Pure Manilla Binder Twine L =

Red caps □ =

Blue caps L =

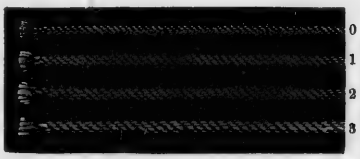
We are in position to supply all grades of Binder Twine at lowest figures.

2 ½ Cash

Delivered in ½ Ton Lots

## TWINES

| | | |
|---|---|---|
| Cotton Wrapping Twine, in 5 lb. sacks, in balls | Per pound | $0.22 |
| Cotton Bag Twine, in balls | Per pound | .33 |
| English Colored Twine, in balls | Per pound | .30 |
| Jute Wrapping Twine, 2 ply, in balls | Per pound | .16 |
| Jute Wrapping Twine, 3 ply, in balls | Per pound | .18 |
| No. **100**—Hemp Wrapping Twine, in balls | Per pound | .27 |
| No. **202**—Bohemian Wrapping Twine, in balls | Per pound | .30 |
| No. **212**—Upholsterers' Twine, in balls | Per pound | .55 |
| No. **410**—Mattrass Twine, in balls | Per pound | .60 |
| No. **6842**—Mattrass Twine, in balls | Per pound | .63 |
| No. **046**—Jute Bag Twine, in balls | Per pound | .20 |
| No. **27**—Bohemian Bag Twine, in balls | Per pound | .25 |
| Russian Hemp Bag Twine, 2 cord, in balls | Per pound | .37½ |
| Russian Hemp Bag Twine, 3 cord, in balls | Per pound | .45 |
| English White Sampling Twine, in balls | Per pound | 1.90 |
| Jute Grape Twine, 3, 4 and 5 ply, in balls | Per pound | .15 |
| Jute Grape Twine, single twist, in balls | Per pound | .12 |
| Russian Hemp Bundling Twine | Per pound | .25 |
| Jute Seaming Cord | Per pound | .18 |
| Flax Sewing or Sail Twine, in hanks | Per pound | .33 |
| Whip Cord, in hanks | Per pound | 1.05 |




### Silver Lake Braided Chalk Lines

20 feet hanks, 12 hanks in a bundle, all in one piece.

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Per dozen | $0.90 | 1.00 | 1.05 |

### Awning Lines

48 feet each.

| Nos | 4 | 4 1-2 |
|---|---|---|
| Per dozen | $3.30 | 4.25 |

Half gross in a box.

### Cotton Chalk Lines

| | Small. | Medium. | Large. | Extra Large. |
|---|---|---|---|---|
| Per dozen | $0.55 | .60 | .75 | 1.00 |

### Cotton Masons' Lines

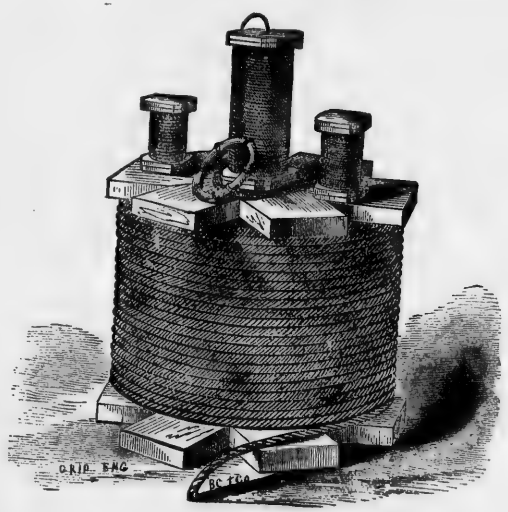
100 feet each ..... Per dozen $1.75

### Russian Hemp Garden Lines

| Feet | 40 | 50 | 60 | 80 |
|---|---|---|---|---|
| Per dozen | $1.05 | 1.35 | 1.50 | 1.95 |

## WIRE ROPE

We can supply Wire Ropes of all kinds, and for every purpose. Parties without experience in the use of Wire Rope should state purpose for which Rope is to be used. Ropes with hemp centre always supplied unless otherwise ordered.



**Galvanized Wire Rope for Ships' Rigging, Derrick Stays, Bridges, Etc.**

**Six Strands, with seven Wires to Strand—Hemp Centre.**

| Diameter in Inches. | Approximate Circumference in Inches. | Price per lb. in Cents. | Approximate Weight per foot in lbs. | Breaking Strain in Tons of 2,000 lbs. | Circumference of Hemp Rope of equal strength. |
|---|---|---|---|---|---|
| 1-4 | 3-4 | 20 | .08 | 1 1-8 | 1 1-4 |
| 5-16 | 1 | 17 | .14 1-4 | 1 1-2 | 2 |
| 3-8 | 1 1-8 | 16 1-2 | .19 | 2 1-2 | 2 1-4 |
| 7-16 | 1 1-4 | 16 | .29 | 3 | 2 1-2 |
| 1-2 | 1 1-2 | 15 | .34 | 4 1-4 | 3 |
| 9-16 | 1 3-4 | 13 | .42 | 4 3-4 | 3 1-2 |
| 5-8 | 2 | 12 | .59 | 6 | 4 |
| 3-4 | 2 1-4 | 11 | .75 | 9 | 4 1-2 |
| 13-16 | 2 1-2 | 10 1-2 | .92 | 9 1-2 | 5 |
| 7-8 | 2 3-4 | 10 | 1.13 | 12 1-2 | 5 1-2 |
| 1 | 3 | 10 | 1.38 | 16 | 6 |
| 1 1-16 | 3 1-4 | 9 1-2 | 1.58 | 18 | 6 1-2 |
| 1 1-8 | 3 1-2 | 9 1-2 | 1.79 | 20 | 7 |
| 1 1-4 | 3 3-4 | 9 1-2 | 2.13 | 25 | 7 1-2 |
| 1 5-16 | 4 | 9 1-2 | 2.38 | 27 | 8 |
| 1 3-8 | 4 1-4 | 9 1-2 | 2.75 | 30 | 8 1-2 |
| 1 1-2 | 4 1-2 | 9 1-2 | 3.17 | 36 | 9 |
| 1 9-16 | 4 3-4 | 9 1-2 | 3.50 | 38 | 9 1-2 |
| 1 5-8 | 5 | 9 1-2 | 3.67 | 40 | 10 |
| 1 3-4 | 5 1-4 | 9 1-2 | 4.08 | 43 | 10 1-2 |
| 1 7-8 | 5 1-2 | 9 1-2 | 4.42 | 46 | 11 |

3-8 inch diameter and smaller made of 5 and 4 strands.

## TRANSMISSION AND STANDING ROPES

### Siemens-Martin Steel

With 6 Strands of 7 Wires Each. Hemp Centre.

| Price per Foot, in Cents. | Diameter. | Circumference in Inches. | Weight per Foot, in Pounds. | Breaking Strain in Tons of 2000 Lbs. | Proper Working Load in Tons of 2000 Lbs. | Circumference of Hemp Rope of Equal Strength. |
|---|---|---|---|---|---|---|
| 41 | 1 1-2 | 4 3-4 | 3.60 | 36 | 9 | 10 3-4 |
| 33 | 1 3-8 | 4 1-4 | 2.90 | 30 | 7 1-2 | 10 |
| 29 | 1 1-4 | 4 | 2.35 | 25 | 6 1-4 | 9 1-4 |
| 23 | 1 1-8 | 3 1-2 | 1.90 | 19 | 5 | 8 |
| 20 | 1 | 3 1-8 | 1.50 | 15 | 4 | 7 |
| 16 | 7-8 | 2 3-4 | 1.10 | 11 1-2 | 3 | 6 1-2 |
| 12 | 3-4 | 2 3-8 | .86 | 8 3-4 | 2 1-4 | 5 1-4 |
| 10 | 11-16 | 2 1-8 | .68 | 7 | 2 | 5 |
| 9 | 5-8 | 2 | .62 | 5 1-4 | 1 1-2 | 4 1-4 |
| 7 | 9-16 | 1 3-4 | .52 | 4 1-4 | 1 | 4 |
| 6 | 1-2 | 1 1-2 | .40 | 3 1-2 | 3-4 | 3 1-4 |
| 4 1-2 | 7-16 | 1 1-4 | .30 | 2 3-4 | 1-2 | 3 |
| 4 | 3-8 | 1 1-8 | .25 | 2 1-2 | 1-3 | 2 1-2 |
| 3 1-2 | 5-16 | 1 | .16 | 1 1-2 | 1-4 | 2 |

## Semi-Pliable Hoisting and Running Ropes

### Siemens-Martin Steel

With 6 Strands of 12 Wires Each. Hemp Centre.

| Price per Foot, in Cents. | Diameter. | Circumference in Inches. | Weight per Foot, in Pounds. | Breaking Strain in Tons of 2000 Lbs. | Proper Working Load in Tons of 2000 Lbs. | Circumference of Hemp Rope of Equal Strength. |
|---|---|---|---|---|---|---|
| 45 | 1 1-2 | 4 3-4 | 3.60 | 36 | 7 1-2 | 11 1-2 |
| 37 | 1 3-8 | 4 1-4 | 2.90 | 30 | 7 | 10 |
| 32 | 1 1-4 | 4 | 2.35 | 25 | 5 1-2 | 9 |
| 25 | 1 1-8 | 3 1-2 | 1.90 | 19 1-2 | 4 | 8 |
| 21 | 1 | 3 1-8 | 1.50 | 15 1-2 | 3 1-2 | 7 |
| 17 | 7-8 | 2 3-4 | 1.10 | 12 | 3 | 6 1-4 |
| 13 | 3-4 | 2 3-8 | .86 | 9 | 2 | 5 |
| 10 1-2 | 5-8 | 2 | .62 | 5 1-2 | 1 1-2 | 4 1-2 |
| 8 1-2 | 9-16 | 1 3-4 | .52 | 4 1-2 | 1 | 4 |
| 7 | 1-2 | 1 1 2 | .40 | 3 3-4 | 3-4 | 3 1-2 |
| 6 | 7-16 | 1 1 4 | .30 | 3 | 1-2 | 3 |
| 5 | 3-8 | 1 1-8 | .25 | 2 1-2 | 1-4 | 2 1-2 |

### Crucible Cast Steel

With 6 Strands of 12 Wires Each. Hemp Centre.

| Price per Foot, in Cents. | Diameter. | Circumference in Inches. | Weight per Foot, in Pounds. | Breaking Strain in Tons of 2000 Lbs. | Proper Working Load in Tons of 2000 Lbs. | Circumference of Hemp Rope of Equal Strength. |
|---|---|---|---|---|---|---|
| 71 | 1 1-2 | 4 3-4 | 3.60 | 69 1-2 | 13 3-4 | 13 |
| 60 | 1 3-8 | 4 1-4 | 2.90 | 57 1-2 | 11 1-2 | 12 |
| 50 | 1 1-4 | 4 | 2.35 | 48 | 9 1-2 | 11 1-2 |
| 41 | 1 1-8 | 3 1-2 | 1.90 | 39 1-2 | 7 1-2 | 10 |
| 33 | 1 | 3 1-8 | 1.50 | 31 1-2 | 6 1-4 | 9 1-4 |
| 26 | 7-8 | 2 3-4 | 1.10 | 23 1-2 | 4 3-4 | 8 |
| 23 | 13-16 | 2 1-2 | .94 | 21 | 4 | 7 |
| 20 | 3-4 | 2 3-8 | .86 | 17 1-2 | 3 1-2 | 6 1-2 |
| 16 | 5-8 | 2 | .62 | 13 1-2 | 2 1-2 | 5 1-4 |
| 14 | 9-16 | 1 3-4 | .52 | 8 1-2 | 1 3-4 | 5 |
| 12 | 1-2 | 1 1-2 | .40 | 6 3-4 | 1 1-2 | 4 1-2 |
| 11 | 7-16 | 1 1-4 | .30 | 4 1-2 | 1 | 4 |
| 10 | 3-8 | 1 1-8 | .25 | 4 1-4 | 3-4 | 3 3-4 |

Tables of Weights and Strength are Approximate.

## PLIABLE HOISTING ROPES

### Siemens-Martin Steel

With 6 Strands of 19 Wires each. Hemp Centre.

| Price per foot in Cents | Diameter | Circumference in Inches | Weight per foot in Pounds | Breaking Strain in Tons of 2,000 Lbs. | Proper Working Load in Tons of 2,000 Lbs. | Circumference of Hemp Rope of equal strength | Min. Size of Drum in Feet |
|---|---|---|---|---|---|---|---|
| 67 | 2 | 6 1-4 | 6.30 | 62 | 12 1-2 | 14 1-2 | 7 |
| 59 | 1 3-4 | 5 1-2 | 5.25 | 52 | 10 1-2 | 13 | 6 1-2 |
| 50 | 1 5-8 | 5 | 4.10 | 41 | 8 1-2 | 12 | 5 |
| 45 | 1 1-2 | 4 3-4 | 3.60 | 36 | 7 1-2 | 11 1-2 | 4 3-4 |
| 37 | 1 3-8 | 4 1-4 | 2.90 | 30 | 6 1-2 | 10 1-4 | 4 1-2 |
| 32 | 1 1-4 | 4 | 2.85 | 25 | 5 | 9 1-2 | 4 |
| 25 | 1 1-8 | 3 1-2 | 1.90 | 20 | 3 1-2 | 8 | 3 1-2 |
| 22 | 1 | 3 1-8 | 1.50 | 16 | 3 | 7 | 3 |
| 17 | 7-8 | 2 3-4 | 1.10 | 12 1-2 | 2 1-2 | 6 | 2 3-4 |
| 14 | 3-4 | 2 3-8 | .86 | 9 | 1 3-4 | 5 | 2 1-2 |
| 12 | 5-8 | 2 | .62 | 6 | 1 1-4 | 4 1-2 | 2 |
| 10 | 9-16 | 1 3-4 | .52 | 4 3-4 | 3-4 | 4 | 1 3-4 |
| 8 | 1-2 | 1 1-2 | .40 | 4 | 1-2 | 3 1-2 | 1 1-2 |
| 7 | 7-16 | 1 1-4 | .30 | 3 | 1-4 | 3 | 1 1-4 |
| 6 | 3-8 | 1 1-8 | .23 | 2 1-2 | 1-5 | 2 1-4 | 1 |

### Crucible Cast Steel

With 6 Strands of 19 Wires each. Hemp Centre.

| Price per foot in Cents | Diameter | Circumference in Inches | Weight per foot in Pounds | Breaking Strain in Tons of 2,000 Lbs. | Proper Working Load in Tons of 2,000 Lbs. | Circumference of Hemp Rope of equal strength | Min. Size of Drum in Feet |
|---|---|---|---|---|---|---|---|
| 80 | 1 5-8 | 5 | 4.10 | 86 | 17 | 14 1-2 | 6 |
| 71 | 1 1-2 | 4 3-4 | 3.60 | 77 | 15 | 13 | 5 1-2 |
| 60 | 1 3-8 | 4 1-4 | 2.90 | 63 | 12 | 12 | 5 |
| 50 | 1 1-4 | 4 | 2.35 | 52 | 10 | 11 1-2 | 5 |
| 41 | 1 1-8 | 3 1-2 | 1.90 | 42 | 8 | 10 | 4 1-2 |
| 34 | 1 | 3 1-8 | 1.50 | 33 | 6 | 9 1-4 | 4 |
| 27 | 7-8 | 2 3-4 | 1.10 | 25 | 5 | 8 | 3 1-2 |
| 21 | 3-4 | 2 3-8 | .86 | 18 | 3 1-2 | 6 1-2 | 3 1-2 |
| 18 | 5-8 | 2 | .62 | 14 | 2 1-4 | 5 1-4 | 3 |
| 17 | 9-16 | 1 3-4 | .52 | 9 | 1 1-2 | 5 1-4 | 2 3-4 |
| 15 | 1-2 | 1 1-2 | .40 | 7 1-2 | 1 1-4 | 4 1-2 | 2 |
| 14 | 7-16 | 1 1-4 | .30 | 5 | 1 | 4 | 2 |
| 13 | 3-8 | 1 1-8 | .26 | 4 3-4 | 3-4 | 3 3-4 | 1 1-2 |

Special Wire Rope for Well Drilling, 5-8 and 3-4 Inch Diameter.

## Wire Sash Cord

| PRICE PER FOOT | | Diameter in Inches | Breaking Strain in Pounds | Proper Working Load in Pounds |
|---|---|---|---|---|
| Galvanized or Tinned | Bright Steel | | | |
| 4 3-4 | 3 1 2 | 5-16 | 3,200 | 800 |
| 4 1-4 | 3 1-4 | 9-32 | 3,000 | 600 |
| 3 1-2 | 3 | 1-4 | 2,800 | 400 |
| 3 1-4 | 2 1-2 | 7-32 | 1,525 | 300 |
| 2 3-4 | 2 | 3-16 | 1,100 | 220 |
| 2 1 2 | 1 3-4 | 5-32 | 800 | 160 |
| 2 | 1 1-2 | 1-8 | 490 | 100 |
| 1 1 2 | 1 1-4 | 3-32 | 280 | 50 |
| 1 1 4 | 1 | 1-16 | 100 | 15 |

These goods in galvanized wire, size 1-4, 7-32 and 3-16, are suitable for raising and lowering electric light street lamps, also for flag halyards, bell cords, etc.

The weights and strengths in these tables are approximate.

## GALVANIZED STEEL WIRE STRAND

**For Signal Cord, Smoke Stack Stays, Seizing, Span Wire, etc.**

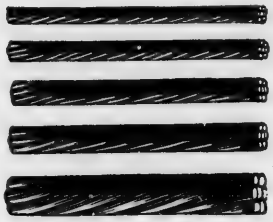
No. 19

No. 18

No. 17

No. 16

No. 12



| Price Per Pound, Cents. | Size of Wire (Gauge). | Diameter in Inches. | Weight Per 1000 Feet, in Pounds. | Breaking Strain in Pounds. |
|---|---|---|---|---|
| 9 | 8 | 1-2 | 500 | 9,520 |
| 9 | 9 | 7-16 | 425 | 7,910 |
| 9 | 10 | 13-32 | 310 | 6,475 |
| 9 | 11 | 11-32 | 240 | 5,300 |
| 9½ | 12 | 5-16 | 200 | 4,250 |
| 10 | 13 | 9-32 | 180 | 3,311 |
| 10½ | 14 | 15-64 | 120 | 2,500 |
| 11 | 15 | 7-32 | 100 | 1,960 |
| 12 | 16 | 8-16 | 75 | 1,540 |
| 13 | 17 | 5-32 | 55 | 1,155 |
| 14 | 18 | 9-64 | 42 | 889 |
| 15 | 19 | 1-8 | 33 | 720 |
| 16 | 20 | 7-34 | 25 | 560 |
| 17 | 21 | 3-32 | 20 | 400 |

**The strength and weight given in these tables are approximate.** **For running ropes, see Sash Cord List, page 549.**

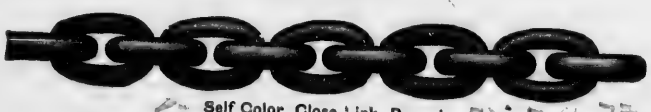
## Galvanized Clothes Line Wire

Nos. 19, 18, 17, 16.

| | |
|---|---|
| Strands, No. 16 wire, galvanized | Per 100 feet $1.00 |
| Strands, No. 17 wire, galvanized | Per 100 feet .70 |
| Strands, No. 18 wire, galvanized | Per 100 feet .55 |
| Strands, No. 19 wire, galvanized | Per 100 feet .45 |

**In 50 and 100 feet rolls.**

## COIL CHAIN



Self Color, Close Link, Proved

| Inch | 1-8 No. 6 | 3-16 No. 5 | 3-16 No. 4 | 3-16 No. 3 | 1-4 | 5-16 | 3-8 | 7-16 |
|---|---|---|---|---|---|---|---|---|
| Inch | 1-2 | 9-16 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 |

Prices on application.

## Best Best Crane Chain

| Inch | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 | 3-4 |
|---|---|---|---|---|---|---|

Prices on application.

## English Coil Chain

Size and Weight per Fathom, Proof Strain, Admiralty Test, Etc.

| Inch | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 |
|---|---|---|---|---|---|---|---|---|
| Weight, per fathom, lbs. | 2 1-2 | 5 | 7 | 9 1-2 | 13 | 16 1-4 | 21 | 26 |
| Proof Strain, tons (gross). | 1-4 | 1-2 | 1 | 1 5-8 | 2 1-4 | 3 | 3 3-4 | 4 5-8 |
| Inch | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 3-8 | 1 1 2 | |
| Weight, per fathom, lbs. | 38 | 49 | 65 | 76 | 90 | 108 | 125 | |
| Proof Strain, tons (gross). | 6 3-4 | 9 1-8 | 12 | 15 1-4 | 18 3-4 | | | |

## American Coil Chain

Size and Weight per Fathom, Proof Test and Breaking Strain

| Inch | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 |
|---|---|---|---|---|---|---|---|---|
| Weight, per fathom, lbs. | 3 | 4 1-2 | 6 1-2 | 9 | 12 | 15 | 18 | 24 |
| Proof Test, tons (net) | 1-2 | 3-4 | 1 1-2 | 2 | 3 | 4 | 5 | 6 |
| Breaking Strain, tons (net) | 1 | 1 1-2 | 3 | 4 | 6 | 8 | 10 | 12 |
| Inch | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 3-8 | 1 1-2 | |
| Weight, per fathom, lbs. | 34 | 47 | 61 | 74 | 92 | 112 | 135 | |
| Proof Test, tons (net) | 8 | 10 | 13 | 15 1-2 | 19 1-2 | 23 | 29 | |
| Breaking Strain, tons (net) | 16 | 19 | 23 1-2 | 28 | 35 1-2 | 43 | 53 | |

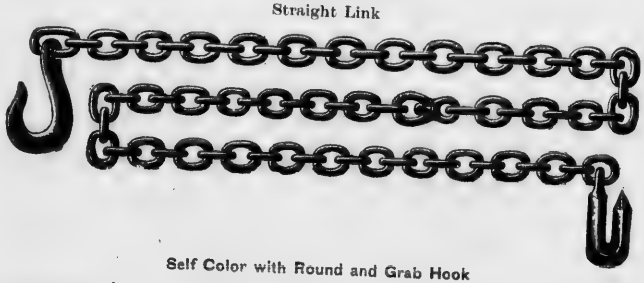
## Rake Chain

## Lifting Chain

English and American Chain of every description imported to order.

## Logging Chains

Straight Link



Self Color with Round and Grab Hook

| Inch | 5-16 | 3-8 |
|---|---|---|
| Length, feet | 14 | 14 |

Prices on application.

## LLOYD'S PATENT REPAIR LINKS

| Inch | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 |
|---|---|---|---|---|---|---|
| Per gross | $0.45 | .45 | .50 | .55 | .75 | .90 |

One dozen in a package.

## Wrought Iron Open Links

WROUGHT IRON.

| Inch | 3-16 | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 |
|---|---|---|---|---|---|---|
| Per gross | $1.35 | 1.50 | 2.20 | 3.50 | 4.80 | 6.50 |

3-16 to 5-16, half gross in a box, other sizes as wanted.

## Timber Scribes

No. **962 1-2**—Cast steel, wood handle ..... Per dozen $3.50

Half dozen in a box.

## LUMBERING TOOLS

NOTE—When CANT HOOKS are ordered the regular C[illegible]t Hook WITHOUT PIKE will always be supplied

Cut showing Style of Socket.

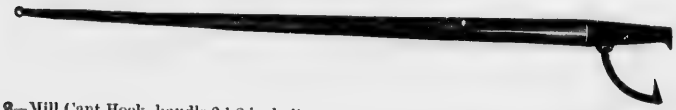
### Patent Improved "Boss" Peavies

Wrought Iron Forged Sockets Hooks and Picks of Extra Cast Steel Rock Maple Handles.

No. 2—Boss Peavey, handle 2 1-2 inch diameter, hooks 7-8 x 1-2 inch, 10 1-2 inches long, pick 7-8 inch square, 11 inches long, weight 11 pounds.....Per dozen $24.00

No. 3—Boss Peavey, handle 2 3-4 inch diameter, hooks 1 x 1-2 inch, pick 7-8 inch square Per dozen 25.50

### "Boss" Mill Cant Hooks



No. 2—Mill Cant Hook handle 2 1-2 inch diameter, hooks 7-8 x 1-2 inch, 10 1-2 inches long Per dozen $22.50

### Cant Hook Handles

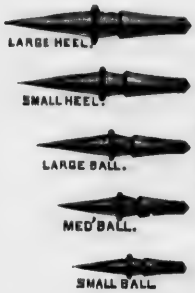
| | 4 1-2 | 5 | 5 1-2 |
|---|---|---|---|
| Feet.....Per dozen | $3.50 | 4.00 | 4.50 |
| Selected Maple.....Per dozen | | | |

### Pike Poles

WITH PIKE AND HOOK.

Pike Poles, with Pike and Hook, selected white ash handles, 12 feet.....Per dozen $22.50

Pike Poles, with Pike and Hook, selected white ash handles, 14 feet.....Per dozen 25.00



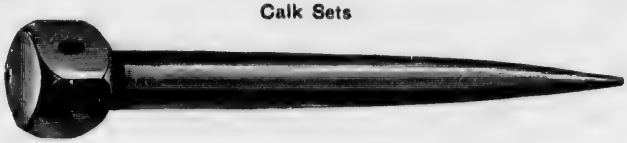

## BOOT CALKS

CAST STEEL. PATENT BEADED.

| | |
|---|---|
| Small Ball | Per thousand $ |
| Medium Ball | Per thousand |
| Large Ball | Per thousand |
| Small Heel | Per thousand |
| Large Heel | Per thousand |

Ball Calks, 500 in a box. Heel Calks, 250.

### Calk Sets



Common Calk Sets, cast steel ..... Per dozen $2.25

### Calk Set and Punch

Calk Set and Punch, combined, cast steel ..... Per dozen $3.50

### Skidding Tongs

Skidding Tongs, cast steel, 1 1-8 inch, octagon, opens 32 inches ..... Each $8.00

## BRASS GROMMETS AND WASHERS

| Nos. | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Size of hole, inch | 3-16 | 1-4 | 3-8 | 7-16 | 9-16 |
| Per gross | $0.50 | .85 | 1.00 | 1.25 | 1.75 |

## Caulking Irons

No. **0**—Caulking Irons, flat bottom ..... Per dozen $9.00
No. **1**—Caulking Irons, single crease ..... Per dozen 9.50
No. **2**—Caulking Irons, double crease ..... Per dozen 9.75

Half dozen in a package.

## Caulking Mallets

Sailors' Palm

No. **2686E**—Sailors' Palms, hide mounted, seaming ..... Per dozen 4.50

Ship Carpenters' Mallets, live oak, polished rings ..... Each $4.50
Ship Carpenters' Mallets, No. 2 ..... Each 3.50

## OAR LOCKS

MALLEABLE.

No. 1—Tinned ..... Per dozen pairs $6.00

No. 2—Tinned ..... Per dozen pairs $6.00

No. 3—Tinned ..... Per dozen pairs $6.00

No. 4—Tinned ..... Per dozen pairs $7.20

All above have sockets as No. 1.

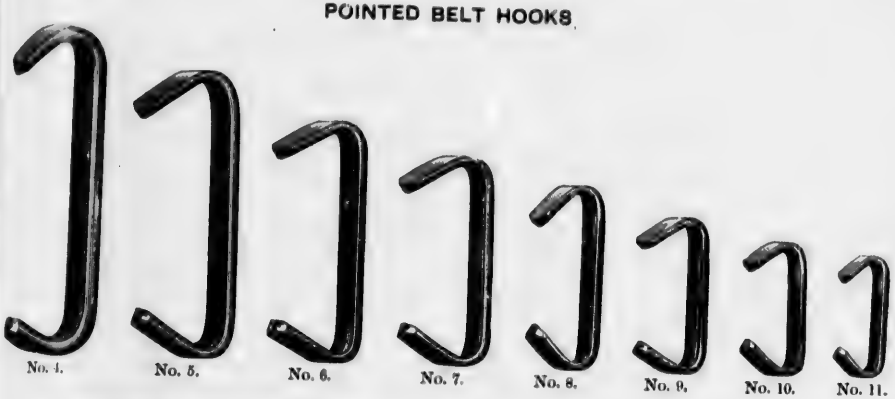
GALVANIZED.

2 inch ..... Per dozen pairs $5.00

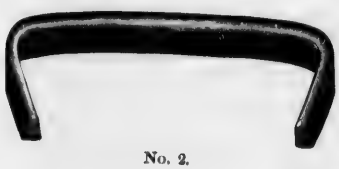
2 1-2 inch ..... Per dozen pairs 7.00

Above can be supplied in quantities, plain if desired.

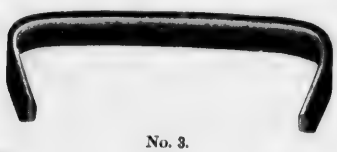
## POINTED BELT HOOKS



No. 4. No. 5. No. 6. No. 7. No. 8. No. 9. No. 10. No. 11.



No. 2.



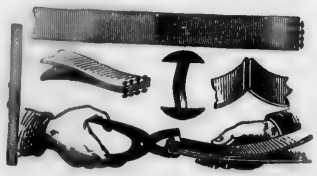
No. 3.

Cuts are full size.

| Nos. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per 100 | $0.90 | .75 | .60 | .45 | .36 | .27 | .25 | .20 | .15 | .12 |

Nos. 2 to 5, 100 in a box; 6 to 8, 200; 9 and 10, 300; 1[illegible].

## Blake's Improved Belt Studs



| Nos. | 0 | | 1 | | 2 |
|---|---|---|---|---|---|
| Per 100 | $2.00 | ..... | 1.50 | ..... | 1.15 |

Belt Studs in boxes of 100.

.....Per dozen pairs $6.00

....Per dozen pairs $7.20

....Per dozen pairs $5.00
....Per dozen pairs 7.00

if desired.

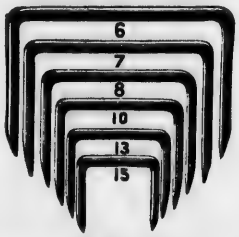
## RAPID HARNESS MENDERS.

Cuts Showing Box and Method of Applying to Straps.

Packed One Gross of Assorted Sizes in a Small Tin Box.....Per Dozen Boxes, $3.00

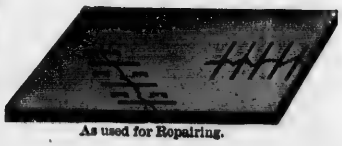
One Dozen Boxes in a Counter Display Case.

## Buffalo Belt Fasts.




Full Size Cuts.

Cut Showing Method of Joining New Belts.

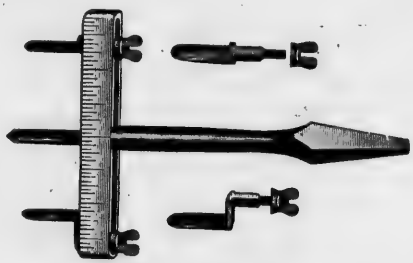


As used for Repairing.

| Numbers | 6 | 7 | 8 | 10 | 13 | 15 |
|---|---|---|---|---|---|---|
| Per Thousand | $5.00 | 4.00 | 3.50 | 2.50 | 2.00 | 1.50 |

Two Hundred in a Box.

## APPLETON'S PATENT WASHER CUTTERS



H lf size cut of No. 1. Patented.

Cutters and Centre of best Cast Steel.

No. 1—Tinned Malleable Iron, best Cast Steel Cutters .... ..... ..... .....Per dozen $12.00

Half dozen in a box.

## Elliott's Lace Cutters

A perfect little tool for cutting all kinds of lacing to any width from 3-8 to 3-4 inch.

The cost of a Cutter may be saved in cutting up one side of leather.

ELLIOTT'S Lace Cutters..... ..... .....Per dozen $8.25

## Saddlers' Punches

AMERICAN.

Full size cut of No. 6.

| Full size of Holes | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nos. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| Nos..... | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** |
| Per dozen..... | $1.65 | 1.65 | 1.65 | 1.65 | 1.90 | 1.90 | 1.90 | 1.90 | 2.10 | 2.10 |

One dozen in a box.

No. **910.**

| Nos..... | **5** | **6** | **7** | **8** |
|---|---|---|---|---|
| Per dozen..... | $1.85 | 1.35 | 1.35 | 1.35 |

One dozen in a box.

## LEATHER AND RUBBER BELTING

### Leather

| Hoyt's American Oak Tanned | | Canadian | |
|---|---|---|---|
| Inch | Per Foot | Inch | Per Foot |
| 1 | $0.10 | 1 | $0.10 |
| 1 1-2 | .17 | 1 1-4 | .13 |
| 2 | .23 | 1 1-2 | .17 |
| 2 1-2 | .30 | 1 3-4 | .20 |
| 3 | .36 | 2 | .23 |
| 3 1-2 | .43 | 2 1-4 | .26 |
| 4 | .50 | 2 1-2 | .30 |
| 4 1-2 | .56 | 3 | 36 |
| 5 | .63 | 3 1-2 | .43 |
| 5 1-2 | .70 | 4 | .50 |
| 6 | .76 | 4 1-2 | .56 |
| 7 | .90 | 5 | .63 |
| 8 | 1.02 | 5 1-2 | 70 |
| 9 | 1.15 | 6 | .76 |
| 10 | 1.29 | 7 | .90 |
| 11 | 1.42 | 8 | 1.02 |
| 12 | 1.55 | 9 | 1.15 |
| 13 | 1.68 | 10 | 1.29 |
| 14 | 1.82 | 11 | 1.42 |
| ..... | ..... | 12 | 1.55 |
| ..... | ..... | 13 | 1.68 |
| ..... | ..... | 14 | 1.82 |

DOUBLE BELTS DOUBLE PRICE.

### Rubber

| Two Ply | | Three Ply | | Four Ply | |
|---|---|---|---|---|---|
| Inch | Per Foot | Inch | Per Foot | Inch | Per Foot |
| 1 | $0.07 | 1 1-2 | ..... | 2 | $ 0.21 |
| 1 1-4 | .09 | 2 | $0.17 | 2 1-2 | .26 |
| 1 1-2 | .11 | 2 1-2 | .22 | 3 | .31 |
| 2 | .15 | 3 | .26 | 3 1-2 | .37 |
| 2 1-2 | .18 | 3 1-2 | .30 | 4 | .42 |
| 3 | .22 | 4 | .34 | 4 1-2 | .47 |
| 3 1-2 | .26 | 4 1-2 | .39 | 5 | .52 |
| 4 | .30 | 5 | .43 | 6 | .62 |
| ..... | ..... | 6 | .52 | 7 | .73 |
| ..... | ..... | 7 | .60 | 8 | .84 |
| ..... | ..... | 8 | .70 | 9 | .95 |
| ..... | ..... | 9 | .80 | 10 | 1.07 |
| ..... | ..... | 10 | .90 | 11 | 1.18 |
| ..... | ..... | 11 | 1.00 | 12 | 1.30 |
| ..... | ..... | 12 | 1.08 | 13 | 1.42 |
| ..... | ..... | 13 | 1.18 | 14 | 1.54 |
| ..... | ..... | 14 | 1.28 | ..... | ..... |

For 5 or 6 Ply Belts 25 per cent. advance on prices of 4 Ply for each additional Ply.

ENDLESS BELTS TO ORDER.

Horse-power of a belt equals velocity in feet per minute, multiplied by the width—the sum divided by 1000.
One inch single belt, moving at 1000 feet per minute = 1 horse power.
Double belts about 700 feet per minute, per 1 inch width = 1 horse-power.
For double belts of great length, over large pulleys, allow about 500 feet per minute per 1 inch of width per horse-power.
Power should be communicated through the lower running side of a belt; the upper side to carry the slack.
Average breaking weight of a belt, 3-16 x 1 inch wide—Leather 530 lbs.; 8-ply rubber, 600 lbs.
The strength of a belt increases directly as its width. The co-efficient of safety for a laced belt is—
Leather = 1-16 breaking weight. Rubber = 1-8 breaking weight.

### To Find Length of Belting When Closely Rolled

The sum of the diameters of the roll and the eye in inches, multiplied by the number of turns made by the belt, and this product multiplied by the decimal .1309 will equal length of the belt in feet.

### Lace Leather

Patent Buckskin, assorted sizes, 1 1-2 to 6 lbs.....Per pound $
Live Oak, assorted sizes, 1 1-2 to 6 lbs.....Per pound
Cut Laces, 3-8 and 1-2 inch wide.....Per pound

Lace Leather is sold at original weights as received from makers.

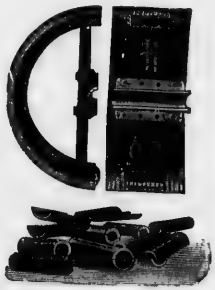
## ELECTRIC BELT DRESSING

For all classes of Belts. An excellent preservative of leather.

Per pound..... $0.55

Ten pounds in a can.

## Dodge Wood Split Pulleys



| Diameter. Inches. | Width of Face. Inches. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ |
| 3 | 1.80 | 1.90 | 2.00 | 2.10 | 2 25 | 2.40 | 2.55 | 2.70 | 2.85 | 3.00 | 3.20 | 3.40 | 3.60 | 3.80 | 4.00 |
| 4 | 1.90 | 2.00 | 2.10 | 2.20 | 2.40 | 2.55 | 2.70 | 2.85 | 3.00 | 3.15 | 3 35 | 3.55 | 3.75 | 3.95 | 4.15 |
| 5 | 2.00 | 2.10 | 2.20 | 2.35 | 2.55 | 2.70 | 2.85 | 3.00 | 3 15 | 3.30 | 3.50 | 3.70 | 3.90 | 4.10 | 4.30 |
| 6 | 2.10 | 2.20 | 2.30 | 2.50 | 2.70 | 2.85 | 3.00 | 3.15 | 3.30 | 3.45 | 3.65 | 3.85 | 4.05 | 4.25 | 4.45 |
| 7 | 2.20 | 2.30 | 2.40 | 2.65 | 2.85 | 3.00 | 3.15 | 3.30 | 3.45 | 3.60 | 3.80 | 4.00 | 4.20 | 4.40 | 4.60 |
| 8 | 2.30 | 2.40 | 2.55 | 2 80 | 3.00 | 3.15 | 3.30 | 3.45 | 3 60 | 3.80 | 4.00 | 4.20 | 4.40 | 4.60 | 4.80 |

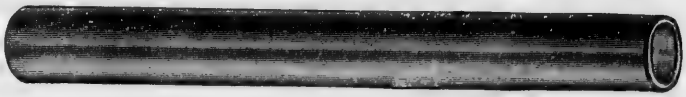
All [illegible] 7-16 inches excepting 3 inch pulleys which have 2 inch bore.

These pulleys can be [illegible]shed for any size shaft up to within one inch of the diameter of the pulley and can be used with the patent bush[illegible]stem.

| Diameter. Inches. | Width of Face. Inches. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ |
| 9 | 2.50 | 2.65 | 2.90 | 3.15 | 3.28 | 3.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | 2.60 | 2.75 | 3.00 | 3.25 | 3.40 | 3.55 | 3.72 | 3.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 11 | 2.70 | 2.85 | 3.10 | 3.35 | 3.53 | 3.70 | 3.90 | 4.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 12 | 2.80 | 2.95 | 3.20 | 3.55 | 3.70 | 3.85 | 4.08 | 4.30 | 4.70 | 5.10 | ..... | ..... | ..... | ..... | ..... | ..... |
| 13 | 2.90 | 3.10 | 3.40 | 3.75 | 4.00 | 4.25 | 4.53 | 4.80 | 5.20 | 5.60 | ..... | ..... | ..... | ..... | ..... | ..... |
| 14 | 3.00 | 3.25 | 3.65 | 4.10 | 4.40 | 4.70 | 5.02 | 5.35 | 5.08 | 6.00 | 6.60 | ..... | ..... | ..... | ..... | ..... |
| 15 | 3.10 | 3.45 | 3.85 | 4.35 | 4.75 | 5.10 | 5.48 | 5.85 | 6.18 | 6.50 | 7.20 | ..... | ..... | ..... | ..... | ..... |
| 16 | 3.30 | 3.65 | 4.05 | 4.60 | 5.05 | 5.50 | 5.90 | 6.30 | 6.65 | 7.00 | 7.70 | ..... | ..... | ..... | ..... | ..... |
| 17 | 3.50 | 3.85 | 4.25 | 4.85 | 5.35 | 5.85 | 6.30 | 6.70 | 7.10 | 7.50 | 8.25 | ..... | ..... | ..... | ..... | ..... |
| 18 | 3.70 | 4.05 | 4.55 | 5.10 | 5.65 | 6.20 | 6.65 | 7.10 | 7.55 | 8.00 | 9.00 | 10.70 | 13.00 | ..... | ..... | ..... |
| 19 | ..... | 4.25 | 4.80 | 5.50 | 6.13 | 6.75 | 7.15 | 7.50 | 8.05 | 8.60 | 9.80 | 11.70 | 13.80 | ..... | ..... | ..... |
| 20 | ..... | 4.45 | 5.20 | 6.00 | 6.60 | 7.15 | 7.60 | 8.00 | 8.75 | 9.50 | 11.00 | 12.60 | 14.70 | ..... | ..... | ..... |
| 21 | ..... | 4.70 | 5.60 | 6.40 | 6.95 | 7.50 | 8.10 | 8.35 | 9.55 | 10.40 | 12.00 | 13.70 | 15.80 | ..... | ..... | ..... |
| 22 | ..... | 4.95 | 5.90 | 6.85 | 7.45 | 8.00 | 8.70 | 9.40 | 10.30 | 11.20 | 13.00 | 14.20 | 17.00 | ..... | ..... | ..... |
| 23 | ..... | 5.20 | 6.15 | 7.05 | 7.70 | 8.40 | 9.20 | 9.95 | 11.05 | 12.00 | 14.00 | 16.20 | 18.50 | ..... | ..... | ..... |
| 24 | ..... | 5.40 | 6.35 | 7.30 | 8.05 | 8.80 | 9.65 | 10.45 | 11.55 | 12.70 | 15.10 | 17.50 | 20.00 | 28.50 | ..... | ..... |
| 25 | ..... | 5.80 | 6.65 | 7.60 | 8.40 | 9.20 | 9.85 | 10.90 | 12.15 | 13.40 | 16.25 | 19.10 | 22.00 | 30.00 | ..... | ..... |
| 26 | ..... | 6.35 | 7.00 | 7.95 | 8.80 | 9.60 | 10.05 | 11.40 | 12.80 | 14.20 | 17.50 | 20.80 | 24.10 | 31.50 | ..... | ..... |
| 27 | ..... | 6.78 | 7.40 | 8.27 | 9.13 | 9.95 | 10.63 | 11.75 | 13.25 | 14.72 | 18.25 | 21.90 | 25.50 | 32.25 | ..... | ..... |
| 28 | ..... | 7.20 | 7.80 | 8.60 | 9.45 | 10.30 | 11.20 | 12.10 | 13.70 | 15.25 | 19.00 | 23.00 | 26.90 | 33.00 | 37.00 | 41.50 |
| 29 | ..... | 7.60 | 8.20 | 9.00 | 9.95 | 10.90 | 11.80 | 12.67 | 14.20 | 15.87 | 20.00 | 24.20 | 28.45 | 33.75 | 37.62 | 41.87 |
| 30 | ..... | 8.00 | 8.60 | 9.40 | 10.45 | 11.50 | 12.40 | 13.25 | 14.90 | 16.50 | 21.00 | 25.40 | 30.00 | 34.50 | 38.25 | 42.25 |
| 31 | ..... | 8.40 | 9.00 | 9.85 | 11.02 | 12.20 | 13.17 | 14.13 | 15.68 | 17.20 | 21.87 | 26.57 | 31.12 | 35.37 | 39.25 | 43.25 |
| 32 | ..... | 8.80 | 9.40 | 10.30 | 11.60 | 12.90 | 13 95 | 15.00 | 16.45 | 17.90 | 22.75 | 27.75 | 32.25 | 36.25 | 40.25 | 44.25 |
| 33 | ..... | 9.20 | 9.95 | 10.90 | 12.30 | 13.70 | 14.85 | 16.00 | 17.47 | 18.95 | 23.62 | 28.87 | 33.37 | 37.00 | 41.50 | 45.50 |
| 34 | ..... | 9.60 | 10 50 | 11.50 | 13.00 | 14.50 | 15.75 | 17.00 | 18.50 | 20.00 | 24.50 | 30.00 | 34.50 | 38.75 | 42.75 | 46.75 |
| 35 | ..... | 10.10 | 11.20 | 12.25 | 13.75 | 15.25 | 16.65 | 18.05 | 19.62 | 21.25 | 25.50 | 31.20 | 35.75 | 40.12 | 44.12 | 48.12 |
| 36 | ..... | 10.60 | 11.90 | 13.00 | 14.50 | 16.00 | 17.55 | 19.10 | 20.80 | 22.50 | 26.50 | 32.40 | 37.00 | 41.50 | 45.50 | 49.50 |
| 38 | ..... | ..... | ..... | 14.50 | 16.03 | 17.60 | 19.50 | 20.70 | 22.70 | 24.75 | 28.50 | 34.50 | 39.25 | 45.00 | 49.00 | 54.00 |
| 40 | ..... | ..... | ..... | 16.00 | 17.50 | 19.00 | 20.75 | 22.50 | 24.65 | 26.75 | 31.00 | 36.25 | 41.50 | 48.00 | 52.50 | 58.00 |

We can supply pulleys any width of face up to 20 feet diameter.

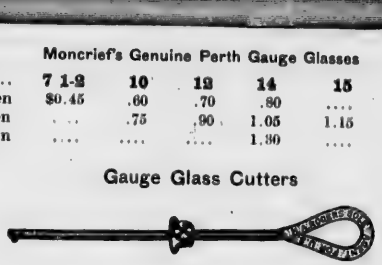
## GAUGE GLASSES



**Moncrief's Genuine Perth Gauge Glasses**

| Length—Inch | 7 1-2 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 |
|---|---|---|---|---|---|---|---|---|---|
| 1-2 Inch diameter.....Per dozen | $0.45 | .60 | .70 | .80 | .... | .... | .... | .... | .... |
| 5-8 Inch diameter.....Per dozen | .... | .75 | .90 | 1.05 | 1.15 | 1.20 | 1.35 | 1.45 | .... |
| 3-4 Inch diameter.....Per dozen | .... | .... | .... | 1.30 | .... | 1.50 | 1.65 | 1.80 | 2.10 |

## Gauge Glass Cutters



Rogers' Favorite .....Per dozen $5.00

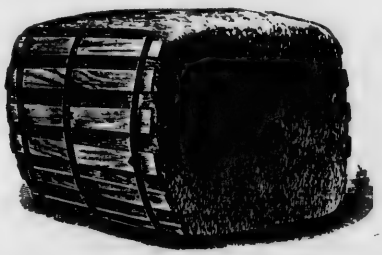
## Gauge Glass Washers

I. R. Gauge Glass Washers, 1-2 inch .....Per dozen $0.20
I. R. Gauge Glass Washers, 5-8 inch.....Per dozen 0.25

## Cotton Waste

White Machined Cotton Waste, in 100 lb. bales.....Per pound $0.12 3-4
White Machined Cotton Waste, in 50 lb. bales .....Per pound .13 1-2
Colored Machined Cotton Waste.....Per pound .09 1-2

## Oakum



Navy Oakum .....Per pound $0.09
U. S. Navy Oakum .....Per pound 0.11
Best Navy Oakum .....Per pound 0.13

In 50 lb. bales.

No. 1—Spun Cotton Oakum .....Per pound 0.15

## FOUNDRY FACINGS

| | | |
|---|---|---|
| Sea Coal Facing | Per barrel | $1.50 |
| Carbonized Lead Facing | Per barrel | 5.00 |
| Heavy Machinery Facing | Per barrel | 5.00 |
| Charcoal Facing | Per barrel | 5.00 |
| Soapstone Facing | Per barrel | 3.60 |
| Stove Plate Facing, No. 1 | Per barrel | 3.50 |
| Stove Plate Facing, No. 2 | Per barrel | 5.50 |
| Lehigh Facing | Per barrel | 4.50 |
| Return Facing | Per barrel | 3.50 |
| Prepared Facing | Per barrel | 4.50 |
| Mineral Facing, XX | Per barrel | 3.50 |
| Mineral Facing, XXX | Per barrel | 3.50 |
| Plumbago or Silver Lead | Per barrel | 3.75 |
| Per[illegible]sh Plumbago | Per pound | 0.06 |
| | Per pound | 0.06 |

## Fire Bricks

| | | |
|---|---|---|
| "Ramsay" Fire Bricks | Per 1000 | $ |
| American Fire Bricks | Per 1000 | |

## Fire Clay

| | | |
|---|---|---|
| Fire Clay, in barrels, about 350 lbs | Per barrel | $ |

## Portland Cement

## Water Lime

## Plaster

| | | |
|---|---|---|
| Hillsboro Plaster | Per barrel | $ |

## Resin

| | | |
|---|---|---|
| G Resin, amber grade | Per 100 pounds | $ |

## Pine Pitch

| | | |
|---|---|---|
| Navy Pitch | Per barrel | $ |

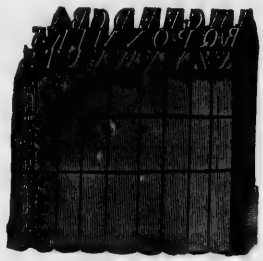
## Roofing Pitch

| | | |
|---|---|---|
| Coal Tar Roofing Pitch | Per 100 pounds | $ |

## Pine Tar

| | | |
|---|---|---|
| North Carolina Pine Tar, strictly pure, ½ pint tins | Per dozen | $ |
| North Carolina Pine Tar, strictly pure, 1 pint tins | Per dozen | |
| North Carolina Pine Tar, strictly pure, 1 quart tins | Per dozen | |
| North Carolina Pine Tar, strictly pure, in barrels | Per barrel | |
| Coal Tar | Per barrel | |

## STEEL LETTER AND FIGURE STAMPS



### Steel Letters

| Inch | 1-8 | 3-16 | 1-4 | 5-16 |
|---|---|---|---|---|
| Sharp, per set | $2.10 | 2.75 | 3.50 | 4.50 |
| Blunt, per set | ... | 2.40 | 3.00 | .... |

### Steel Figures

| Inch | 1-8 | 3-16 | 1-4 |
|---|---|---|---|
| Sharp, per set | $1.00 | 1.15 | 1.20 |
| Blunt, per set | .90 | 1.10 | .... |

## Letter Presses

| B P—Plain Japanned, Nos. | 4 | 5 | 6 |
|---|---|---|---|
| Size, inch | 10 x 12 1-2 | 10 x 15 | 11 x 16 |
| Each | $6.50 | 8.25 | 12.75 |

| B B—Japanned and Bronzed, No. | 4 |
|---|---|
| Size, inch | 10 x 12 1-2 |
| Each | $7.25 |

## Melting Ladles



### Malleable

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Size of bowl, inch | 4 | 5 | 6 |
| Per dozen | $3.70 | 5.60 | 7.30 |

### Wrought Melting Ladles

| Size of bowl, inch | 3 | 3 1-2 | 4 | 5 |
|---|---|---|---|---|
| Per dozen | $2.35 | 2.70 | 3.20 | 4.40 |

### Potash Ladles

Potash Ladles ..... Per dozen $20.00

## TINSMITH'S TOOLS AND MACHINES

We illustrate on the following pages a few of the leading lines we can supply. Complete illustrated catalogue sent on application.

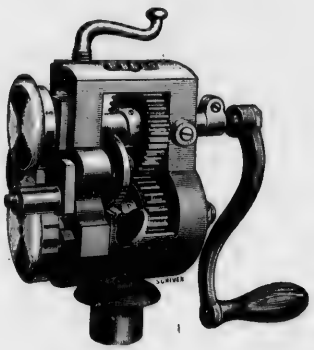
The following list comprises almost all tools and machines required in ordinary tinner's shop.

### Articles included in an ordinary Set of Tinsmith's Tools

| | |
|---|---|
| 31 Inch Squaring Shears | $ 54.00 |
| 21 Inch Tin Folder | 29.00 |
| 21 Inch B. M. Groover | 16.20 |
| No. 2 Circular Shears | 26.00 |
| 31 Inch Sheet Iron Folder, No. 7 | 14.40 |
| No. 1 Parallel Vice | 5.85 |
| No. 4 Beader | 19.75 |
| No. 2 Double Seamer, less setting down attachment | 26.40 |
| No. 4 Former (Iron), 31 inch x 1 3-4 inch | 18.00 |
| No. 1 Wiring Machine | 15.60 |
| No. 1 Setting Down Machine | 12.70 |
| No. 1 Large Turning Machine | 13.35 |
| No. 1 Small Turning Machine | 13.00 |
| No. 1 Large Burring Machine | 11.70 |
| No. 1 Small Burring Machine | 11.05 |
| No. 1 Beakhorn Stake | 16.50 |
| Common Blowhorn Stake | 5.50 |
| Creasing Stake, with horn | 4.40 |
| Common Square Stake | 3.30 |
| Needlecase Stake | 3.05 |
| Candlemould Stake | 3.05 |
| No. 4 Hatchet Stake | 3.05 |
| No. 1 Conductor Stake | 4.40 |
| No. 2 Hollow Mandrel Stake | 6.05 |
| No. 3 Mandrel Stake | 5.50 |
| Double Seaming Stake, with 4 heads | 9.90 |
| Round Head Stake | 1.40 |
| No. 1 Double Seaming Stake (wrought) | 9.90 |
| Set Solid Punches and Chisels | .80 |
| Set Hollow Punches | 6.05 |
| No. 2 Riveting Hammer, handled | .80 |
| No. 3 Setting Hammer, handled | .66 |
| Nos. 0, 85c , 2, 70c., and 4, 55c., Hand Groovers | 2.10 |
| Nos. 0, 82c., 4, 55c., and 6, 42c., Rivet Sets | 1.79 |
| No. 2 Steel Raising Hammer | 1.95 |
| No. 2 Bench Shears | 7.15 |
| No. 8 Hand Shears | 2.40 |
| No. 9 Circular Hand Shears | 3.50 |
| Pair Cutting Nippers | 2.84 |
| 2 Mallets, 17 cents each | .34 |
| 2 Scratch Awls, 14 cents each | .28 |
| 1 Cast Iron Fire Pot | 2.80 |
| 1 pair each, 2, 4 and 6 lb. Sol Irons=12 lbs., at | |

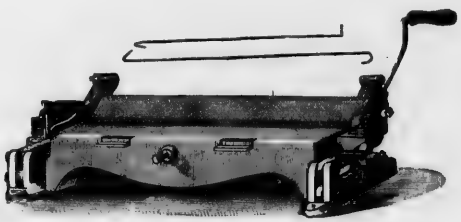
## TINSMITHS' TOOLS AND MACHINES

### Solid Frame Wiring Machine



Solid Frame Wiring Machines ... ..... Each $15.60

### Folding Machines

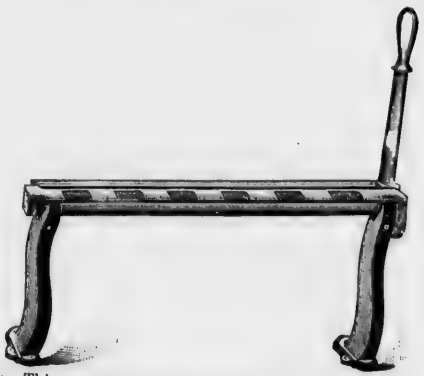


ADJUSTABLE BAR FOLDER.

We present to the trade the best Bar Folder ever produced. This machine will form square joints or angles, turn narrow or wide locks, turn round edges for wiring. It will also form open or close locks as desired. The gauge will always be true, no matter how much worn. It is provided with square and bevel stops, also a universal stop that can be set at any angle required, which enables the operator to do accurate work with greater speed. This is the only Folding Machine having a universal stop.

No. 1—For tin, 21 inches, folds edge 1 inch ..... $29 00
No. 2—For tin, 31 inches, folds edge 1 3-8 inch ..... 42 00
No. 3—For tin, 36 inches, folds edge 1 inch ..... 66 00

## SHEET IRON FOLDING MACHINES



No. **7**—For stove pipe, 31 inches. This machine is the most popular style in the market ..... Each $14.40

No. **4**—Wood bottom, for sheet iron, 30 inches long ..... Each 13.00

No. **5**—Wood bottom, for sheet iron, 40 inches long ..... Each 19.80

No. **6**—Wood bottom, for sheet iron, 48 inches long ..... Each 24.20

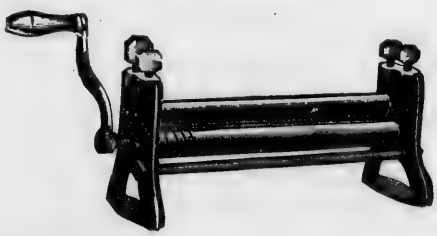
No. **8**—New Style Sheet Iron Folder, 31 inches ..... Each 18.00

No. **9**—New Style Sheet Iron Folder, 37 inches ..... Each 30.00

Nos. 8 and 9 are specially designed and produce a straighter edge than any other style of Sheet Iron Folder.

No. **10**—Iron Bottom Folder, 31 inches ..... Each 16.10

### Stove Pipe Formers



| | | Iron. | Steel. |
|---|---|---|---|
| No. **2**—For cans, | 2 inch rollers, 37 inches long | $24.00 | $27.00 |
| No. **3**—For stove pipe, | 2 inch rollers, 31 inches long | 19.00 | 21.00 |
| No. **4**—For stove pipe, | 1¾ inch rollers, 31 inches long | 18.00 | 20.00 |
| No. **5**—For tin pipe, | 1½ inch rollers, 21 inches long | 11.00 | 12.65 |
| No. **6**—For tin pipe, | 1½ inch rollers, 16 inches long | 9.90 | 11.55 |
| No. **7**—For tin pipe, | 1 inch rollers, 12 inches long | ..... | 9.90 |

**With Slip-Roller**

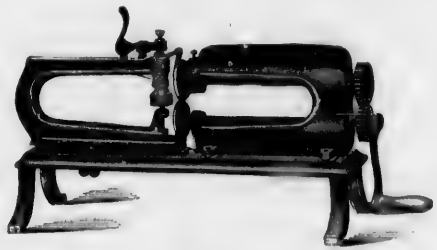
| | | | |
|---|---|---|---|
| No. **5 1-2**—For tin pipe, | 1½ inch rollers, 21 inches long | 13.00 | 14.65 |
| No. **6 1-2**—For tin pipe, | 1½ inch rollers, 16 inches long | 11.90 | 13.55 |
| No. **7 1-2**—For tin pipe, | 1 inch rollers, 12 inches long | ..... | 11.90 |

## CIRCULAR SHEARS

**With two pairs Discs, one pair each 2 1-4 and 5 3-4 inches in Diameter. Will cut Circles from 2 3-4 to 14 inches in Diameter**

**No. 1**

| | | |
|---|---|---|
| Complete, with two pairs of Discs | Each | $24.20 |
| Extra for Discs | Per pair | 2.20 |
| Extra for Cutters | Per pair | 5.00 |



**No. 2**

The above cut represents an Improved Circular Shears. The improvement is on the side head, which carries the discs, it being locked by a clamp screw to the bed, instead of a set screw on the side, which breaks away the face of the slide, and thereby renders it impossible to set the machine accurately. The clamp screw enables the operator to set the machine instantly and firmly, and has no tendency to tip the head (as the set screw has), and therefore insures better work.

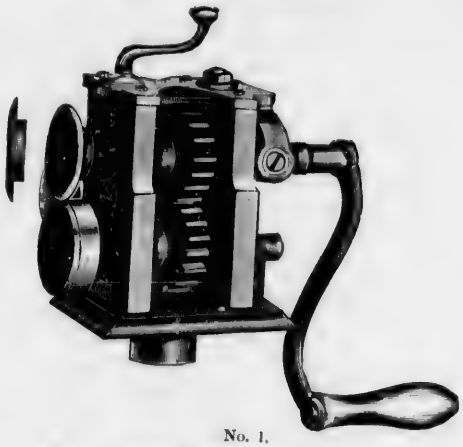
No. 2—Cuts circles from 2 1-4 to 19 inches ..... $26.00

### Double Seaming and Setting Down Machine

The above cut represents a machine that is superior to any yet contrived for double seaming and setting down. It combines the good points of all other machines without their defects, and can be worked by a top screw or treadle without any adjustment. The Setting Down Attachment can be turned aside, when not in use, by a touch of the hand, and is geared with cog wheels same as the ordinary setting down machine; this latest improvement makes the Double Seamer perfect. It will double seam an article 15 1-2 inches deep, and do it quicker and better than any other machine made.

No. 2—Complete with Deflecting Head and Setting Down Attachment ..... $31.00
No. 2—Without Setting Down Attachment ..... 26.40

## BURRING MACHINES



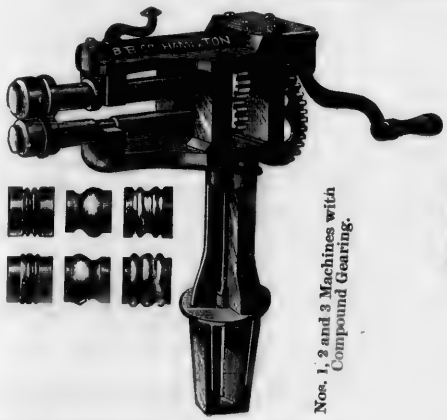
No. 1.

### Large Burring Machine

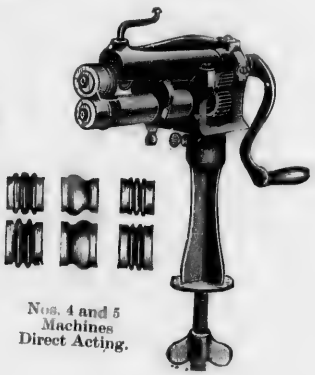
**Prices of No. 1 Small Machines Made up as follows :**

| | |
|---|---|
| No. 1—Wiring Machine, with No. 1 Standard | |
| No. 1—Setting Down Machine, with No. 1 Standard | $15.60 |
| No. 1—Large Turning Machine, with No. 1 Standard | 12.70 |
| No. 1—Small Turning Machine, with No. 1 Standard | 13.35 |
| No. 1—Large Burring Machine, with No. 1 Standard | 13.00 |
| No. 1—Small Burring Machine, with No. 1 Standard | 11 70 |
| Full set No. 1 Machines, No. 1 Standards | 11.05 |
| Full set No. 1 Machines, Patent Standards | 77.40 |
| Full set No. 1 Machines, without Standards | 79.40 |
| No 1 Standards always sent with No. 1 Machines unless otherwise ordered. | 71 60 |

### Beading Machines



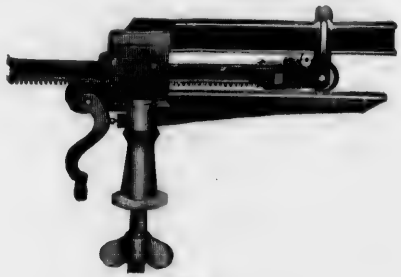
Nos. 1, 2 and 3 Machines with Compound Gearing.



Nos. 4 and 5 Machines Direct Acting.

| | |
|---|---|
| No. 1—Improved, 13 inches, 3 pairs rollers and rotary stand | $35.50 |
| No. 2—Improved, 10 inches, 3 pairs rollers and rotary stand | 34.40 |
| No. 3—Improved, 7 1-2 inches, 3 pairs rollers and rotary stand | 28.90 |
| No. 4—Improved, 6 inches, 4 pairs rollers and rotary stand | 19.75 |
| No. 5—Improved, 4 inches, for tin, 5 pairs rollers and rotary stand | 18.45 |

## GROOVING MACHINES



No. 1.

### Brass Mounted Groovers

| | |
|---|---|
| No. 1—With standard, 20 inches long | $16.20 |
| No. 2—With standard, 17 inches long | 13.20 |
| Extra standards | 1.00 |
| Extra rollers | 2.00 |
| No. 3—Encased Groover, 20 inches long, with standard | 16.20 |
| No. 4—Brass Mounted Groover, 31 inches long, with standard | 33.60 |
| No. 5—Brass Mounted Groover, 37 inches long, with standard | 39.60 |

### Squaring Shears

Latest Improved Squaring Shears.

The unprecedented success we have had in the sale of these machines justifies us in guaranteeing them to give complete satisfaction; they are superior to anything in the market. The feature of having them *one inch longer* than American Shears is of considerable advantage to every tinsmith and sheet metal worker handling 30 inch stock, as invariably the sheet is a trifle wide.

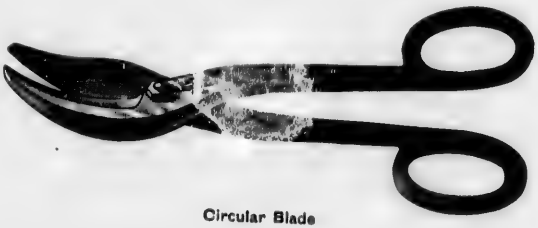
This machine is of the most approved pattern, with carefully tempered and machine ground knives. Has adjustable gauges and steel springs. All parts are well proportioned and carefully finished.

| | | | |
|---|---|---|---|
| No. 0 cuts 37 inches | $80.00 | Extra knives for No. 0 | $28.00 |
| No. 1 cuts 31 inches | 54.00 | Extra knives for No. 1 | 16.00 |
| No. 2 cuts 21 inches | 45.60 | Extra knives for No. 2 | 12.00 |

## TINNERS' SNIPS

**Straight Blade, Cast Steel**

| Nos. | 6 1-2 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|
| Length of cut, inch | 4 1-2 | 4 | 3 1-2 | 3 | 2 1-2 |
| Per pair | $3.50 | 3.00 | 2.40 | 1.90 | 1.75 |



**Circular Blade**

| Nos. | 7 | 8 | 9 |
|---|---|---|---|
| Length of cut, inch | 4 | 3 1-2 | 3 |
| Per pair | $4.50 | 4.00 | 3.50 |

## Soldering Coppers

Pointed for common use.

Soldering Coppers, 1 and 1 1-2 lbs. per pair ..... Per pound $0.40
Soldering Coppers, 2 lbs. and over ..... Per pound .35

## "The Gem" Soldering Set

**Soldering Copper, Scraper, Box of Rosin, Bar of Solder**

No. 2 ..... Per dozen sets $10.50

One set in wood box.

# WROUGHT IRON WELDED PIPE

## For Steam, Water and Gas

### Butt Welded

BLACK.

| Inside diameter, inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 |
|---|---|---|---|---|---|---|---|
| Price per foot | $0.06 | .06 | .07 | .08 1-2 | .12 | .17 | .24 |
| Approximate weight per foot, lbs. | 0.24 | .42 | .56 | .84 | 1.12 | 1.67 | 2.24 |

GALVANIZED.

| Inside diameter, inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 |
|---|---|---|---|---|---|---|---|
| Price per foot | $0.06 | .06 | .07 | .08 1-2 | .12 | .17 | .24 |

### Lap Welded

BLACK.

| Inside diameter, inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|
| Price per foot | $0.30 | .43 | .52 | .68 | .81 | .95 | 1.25 | 1.42 | 1.85 |
| Approximate weight per foot, lbs. | 2.68 | 3.61 | 5.74 | 7.54 | 9.00 | 10.66 | 12.34 | 14.50 | 18.76 |

GALVANIZED.

| Inside diameter, inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|
| Price per foot | $0.30 | .43 | .62 | .80 | .98 | 1.16 | 1.50 | 1.75 | 2.20 |

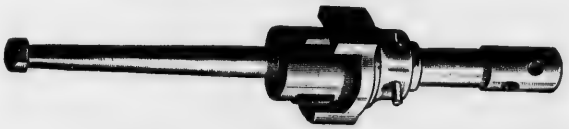
## Lap Welded Boiler Tubes

| External diameter, inch | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|
| Price per foot | $ | | | |

### Approximate Weight of Boiler Tubes per Foot

| Inch | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-4 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lbs. | 1.15 | 1.40 | 1.85 | 1.91 | 2.16 | 2.75 | 3.04 | 3.33 | 3.96 | 4.28 | 5.47 | 6.17 | 7.58 | 10.16 |

## Dudgeon Roller Tube Expander



| Inch | 1 | 1 1-4 | 1 7-16 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|
| Each | $5.00 | 5.00 | 5.25 | 5.25 | 5.25 | 5.60 | 5.60 | 6.30 | 7.00 | 7.80 |

| Inch | 3 1-4 | 3 1-2 | 3 3-4 | 4 | 4 1-2 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| Each | $8.75 | 10.00 | 12.00 | 12.00 | 14.00 | 17.00 | 21.00 | 26.00 |

## Boiler Rivets

### Approximate Number in a Keg or Box of 100 Lbs.

| LENGTH | 1-2 inch | 9-16 inch | 5-8 inch | 11-16 inch | 3-4 inch | 7-8 inch | LENGTH | 1-2 inch | 9-16 inch | 5-8 inch | 11-16 inch | 3-4 inch | 7-8 inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 inch | 990 | 760 | 560 | 450 | ..... | ..... | 2 1-8 inch | 590 | 500 | 354 | 289 | 237 | 152 |
| 1 1-8 " | 875 | 725 | 530 | 415 | ..... | ..... | 2 1-4 " | 555 | 490 | 347 | 280 | 232 | 149 |
| 1 1-4 " | 800 | 690 | 490 | 389 | 356 | 228 | 2 1-2 " | 525 | 475 | 335 | 260 | 219 | 141 |
| 1 3-8 " | 760 | 650 | 460 | 370 | 329 | 211 | 2 3-4 " | 500 | 440 | 312 | 242 | 211 | 133 |
| 1 1-2 " | 720 | 625 | 425 | 357 | 290 | 180 | 3 " | 460 | 410 | 290 | 224 | 203 | 127 |
| 1 5-8 " | 710 | 595 | 405 | 340 | 271 | 174 | 3 1-4 " | 480 | 380 | 267 | 212 | 190 | 115 |
| 1 3-4 " | 690 | 550 | 390 | 325 | 264 | 169 | 3 1-2 " | 410 | 350 | 248 | 201 | 180 | 108 |
| 1 7-8 " | 665 | 530 | 375 | 312 | 257 | 165 | 3 3-4 " | 395 | 335 | 241 | 192 | 162 | 102 |
| 2 " | 630 | 510 | 360 | 297 | 248 | 156 | 4 " | ..... | 326 | 280 | 184 | 156 | 99 |

## PIPE CUTTERS

### Barnes' Improved

| Nos. | 1 | 2 |
|---|---|---|
| Cuts, inch | 1-8 to 3-4 | 1 to 2 |
| Each | $3.00 | 4.50 |
| Extra Cutters, Each | .25 | .30 |

### The Stanwood Pipe Cutter

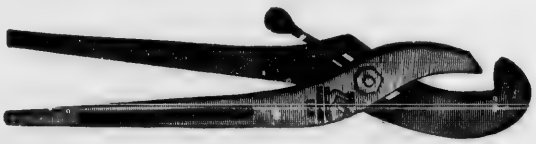
| Nos. | 1 | 2 | 3 |
|---|---|---|---|
| Cuts, inch | 1-8 to 3-4 | 1 to 2 | 2 to 3 |
| Each | $3.00 | 4.50 | 14.00 |
| Extra Cutters, Each | .25 | .35 | .45 |

### Saunders' Pattern New Wheel Pipe Cutter

| Nos. | 1 | 2 | 3 |
|---|---|---|---|
| Cuts, inch | 1-8 to 1 | 1 to 2 | 2 to 3 |
| Each | $3.00 | 4.50 | 14.00 |
| Extra Cutters, Each | .24 | .32 | .60 |

## Pipe Tongs

### Brown's Adjustable Pipe Tongs



| Nos. | 1 | 1 1-2 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Takes pipe, inch | 1-4 to 3-4 | 3-8 to 1 | 1-2 to 1 1-4 | 1 to 2 | 1 1-2 to 3 |
| Each | $0.90 | 1.00 | 1.25 | 1.90 | 4.25 |

## CHAIN PIPE WRENCHES

### Brock's Patent Drop Forged

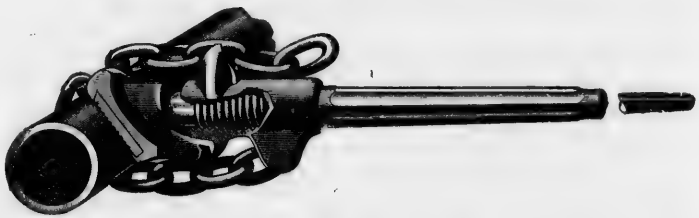
Nos. 0 1

Nos. 2 3 4

ALL PARTS INTERCHANGEABLE.

| Nos. | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Each | $2.50 | 3.50 | 5.50 | 7.50 | 11.00 |
| Takes pipe—Inch | 1-8 to 3-4 | 1-8 to 1-2 | 1-4 to 2 1-2 | 3-4 to 4 | 1 1-2 to 8 |
| Length—Inch | 12 1-2 | 20 | 27 | 37 | 50 |

### Hilt's Improved Adjustable Chain Pipe Wrench



| Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Each | $3.50 | 5.50 | 7.50 | 9.50 | 11.00 | 18.00 | 30.00 |
| Takes pipe—Inch | 1-2 to 1 1-2 | 1 to 3 | 1 to 4 | 1 1-2 to 6 | 2 to 10 | 2 1-2 to 12 | 4 to 16 |
| Length of lever—Inch | 18 | 26 | 36 | 46 | 58 | 70 | 80 |
| Weight—Lbs. | 5 | 9 | 15 | 25 | 36 | 50 | 85 |
| Extra chain | $0.40 | .65 | .80 | .95 | 1.25 | 2.00 | 3.00 |
| Bodies | 2.00 | 2.50 | 3.75 | 4.50 | 5.00 | 6.00 | 7.00 |
| Extra jaws | 1.25 | 2.00 | 3.00 | 3.50 | 4.50 | 5.00 | 5.50 |
| Extra teeth | 0.50 | .50 | .60 | .75 | .75 | 1.00 | 1.00 |

#### How to Operate the Hilts Wrench

Put the chain around the pipe, passing it on the jaw between its two high points, and place a link of the chain in the lug, screw the steel handle into the pocket of the jaw and force it against the pipe, thereby taking up all the slack in the chain, and the wrench will go to work immediately. The wrench will work best when the handle is screwed into the pocket so that the jaw will assume a position about 25 degrees out of a line parallel with the handle.

### Atwater's Patent Pipe Wrench Jaw

Made from Crucible Tool Steel, Drop Forged Hardened and Tempered. Can be instantly attached to any ordinary Screw Wrench, making the cheapest Pipe Wrench in the market.

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Fits Wrench—Inch | 6 or 8 | 10, 12, 15, 18 | 15, 18, 21 |
| Holds from 1-8 inch to | 3-4 inch | 2 inch | 3 inch |
| Each | $0.40 | .50 | .75 |

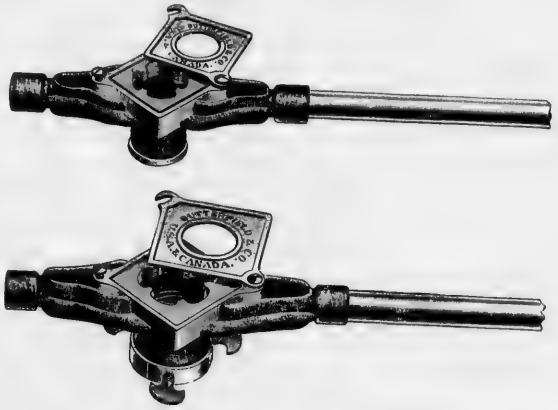
One dozen in a box.

In sets, 1 each, Nos. 1, 2, 3 ..... Per set $1.65

One set in a box.

## SOLID DIE PLATES

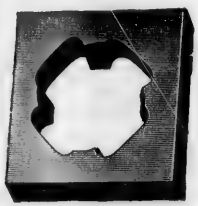
**For Threading Steam, Gas and Water Pipes**



| No. | 0 | 1 | 1 1-2 | 1 3-4 | With Leader Screws. 2 | 3 |
|---|---|---|---|---|---|---|
| Dies with each plate | 1-8, 1-4, 3-8, 1-2 | 1 4,3-8,1-2,3-4,1 | 3-4, 1, 1 1-4 | 1, 1 1-4, 1 1-2 | 1 1-4, 1 1-2, 2 | 2 1-2, 3 |
| Dimensions of Dies, inch | 2 x 1-2 | 2 1-2 x 3-4 | 3 x 3-4 | 3 x 3-4 | 4 x 7-8 | 5 x 1 1-4 |
| Die Plates complete with R. H. Dies | $9.50 | 15.00 | 13.50 | 13.50 | 20.00 | 43.00 |
| Die Plates without Dies | 3.50 | 5.00 | 6.00 | 6.00 | 9.50 | 25.00 |
| Extra Bushings | .25 | .35 | .45 | .45 | .60 | 1.00 |
| Die Frames | .... | .30 | .40 | .40 | .50 | .60 |

No. 3 plate can be supplied with 4 handles at an advance of $

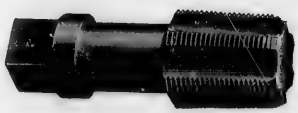
### Solid Pipe Dies



| Nos. | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Inch | 2 x 1-2 | 2 1-2 x 3-4 | 3 x 3-4 | 4 x 7-8 | 5 x 1 1-4 |
| Each | $1.50 | 2.00 | 2.50 | 3.50 | 9.00 |

In ordering be particular to state whether right or left hand, and if possible give number and maker of plate for which Dies are required.

### Pipe Taps and Reamers



| Inch | 1-8 | 1-4 | 3-8 | 1 2 | 3 4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Threads, per inch | 27 | 18 | 18 | 14 | 14 | 11 1-2 | 11 1-2 | 11 1-2 | 11 1-2 | 8 | 8 |
| Each | $1.12 | 1.25 | 1.50 | 1.87 | 2.50 | 3.12 | 3.75 | 4.62 | 6.25 | 10.50 | 15.00 |

**Pipe Taps**

Taps right or left hand. Right hand always sent unless otherwise advised.

List, and Sizes of Reamers (Same as Pipe Taps.)

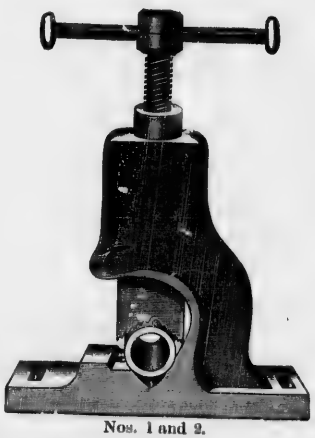
## STEEL WIRE FLUE CLEANERS

| Inch | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 4 |
|---|---|---|---|---|---|---|
| Each | $2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |

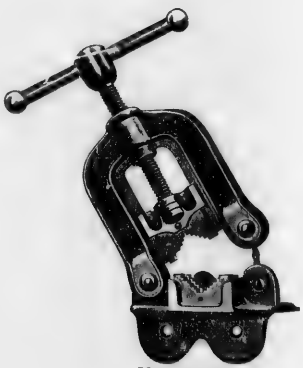
## The Engineer's Favorite Flue Cleaner

| Inch | 2 | 2 1-4 | 2 1-2 | 2 3-4 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|
| Each | $2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.50 | 4.00 |

## Pipe Vises



Nos. 1 and 2.



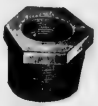
Nos. 10 and 20.

No. **1**—Holds pipe to 1 1-4 inch.....Each $5.00
No. **2**—Holds pipe to 2 inch.....Each 6.00

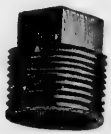
Nos. 10 and 20, Malleable Iron, with Cut Steel Jaws.

No. **10**—Holds pipe to 2 inch, weight 20 lbs.....Each $ 6.00
No **20**—Holds pipe to 3 inch, weight 32 lbs.....Each 10.00

## MALLEABLE IRON FITTINGS

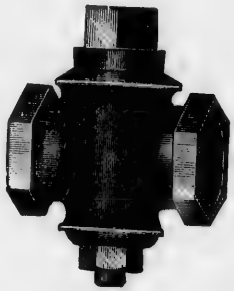


Bushing.



Plug.

Union.



Stop Cock.

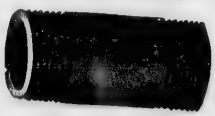
| | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unions | $0.15 | $0.18 | $0.20 | $0.28 | $0.34 | $0.46 | $0.60 | $0.80 | $1.50 | $2.10 | $3.00 | $4.00 | ..... | ..... |
| Bushings | .05 | .05 | .06 | .07 | .09 | .13 | .17 | .27 | .42 | .60 | .80 | 1.00 | $1.85 | $2.50 |
| Plugs | .03 | .03 | .04 | .05 | .06 | .10 | .13 | .20 | .35 | .50 | .75 | .85 | 1.75 | 2.40 |
| Stop Cocks | ..... | .75 | .80 | .90 | 1.25 | 1.50 | 2.00 | 2.60 | 4.50 | 6.50 | 12.00 | 16 00 | 33.00 | 45.00 |
| Flanges | .10 | .15 | .20 | .28 | .36 | .50 | .65 | .90 | 1.40 | 2.00 | 2.75 | 3.50 | 5.00 | 6.00 |
| Flanged Unions | ..... | ..... | .60 | .65 | .70 | .85 | 1.15 | 1.50 | 1.75 | 2.25 | 2.75 | 3.15 | 5.00 | 6.50 |

### Malleable Iron Nipples Right and Left

WITH HEXAGON NUT IN CENTRE.

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|
| Each | $0.25 | .30 | .40 | .50 | .70 |

### Wrought Iron Nipples



Plain—Right Hand

CLOSE OR SHORT.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.06 | .06 | .06 | .07 | .09 | .11 | .17 | .20 | .26 | .55 | .70 | 1.00 | 1.15 | 1.75 | 2.10 | 2.65 |

LONG.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.08 | .08 | .08 | .10 | .13 | .17 | .24 | .29 | .38 | .75 | 1.00 | 1.35 | 1.55 | 2.35 | 2.80 | 3.50 |

Plain—Right and Left

CLOSE OR SHORT.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.08 | .08 | .08 | .10 | .13 | .17 | .23 | .28 | .35 | .75 | 1.00 | 1.30 | 1.50 |

LONG.

| Inch | 1-8 | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.11 | .11 | .11 | .13 | .17 | .22 | .31 | .38 | .48 | 1.00 | 1.30 | 1.70 | 2.00 |

Elbow.

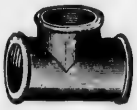
## MALLEABLE IRON FITTINGS

### Class A. Price 30 Cents Per Pound

Elbows, 1-8, 1-4 x 1-8, 3-8 x 1-8.
Tees, 1-8, 1 8 x 1-4, 1-4 x 1-8, 3-8 x 1-8.
Sockets, 1-4 x 1-8, 3-8 x 1-8, 1-2 x 1-8.

Rod Couplings.
R. and L. Couplings, 1-8 inch.
Couplings R. H., 1-8.
Ells R. and L., 1-4 and 3-8.
R. and L. Return Bends, 3-8 and [illegible].

### Class B. Price 20 Cents Per Pound



Tee.

Elbows, 3-8, 1-4, 3-8 x 1 4, 1-2 x 1-4.
Tees, 1-4, 3-8, 1-4 x 3-8, 3-8 x 1-4 x 1-4, 3-8 x 1-4, 3-8 x 1-4 x 3-8.
Elbows, Side Outlets, 1-2 inch and smaller.
Four-way Tees, 1-2 inch and smaller.
Street Ells, 1-4 and 3 8.
Crosses, 1-4, 3-8, 1-2 inch.
Reducing Crosses, 1 inch and smaller.
Drop Ells and Tees, 1-2 inch and smaller.
Caps, 3-8 and 1-4 inch.
Locknuts, 1-2, 3-8 and 1 4.
Reducing Couplings, 3-8 x 1-4 to 3-4 x 3-8.
Extension Pieces, 3-8 and 1-2 inch.

R. and L. Couplings, 3-8 and 1-4.
R. H. Couplings, 3 8 and 1-4 inch.
R. and L. Elbows, 1-2 inch.
R. and L. Bends, 3-4 and 1 inch.
Waste Nuts, 3-4 and smaller.
Chandelier Hooks, all sizes.
Return Bends, 3-8 and 1-2 inch
Wall Plates, all sizes.
45° Ells, 1-2 inch and smaller.
Y's, 3-4 and 1-2 inch.

### Class C. Price 16 Cents Per Pound

Right Hand Coupling.

Elbows, 1-2 and 1-2 x 3-8
Tees, 1-2 and 1-2 inch Reducing.
Elbows, Side Outlets, 3-4 and larger.
Street Ells, 1-2, 3-4, 3-4 x 1-2, and 1" x 3-4.
Crosses, 1 inch and 3-4 inch straight.
Drop Ells, 3-4 and larger.
Drop Tees, 3-4 and larger.
Four-way Tees, 3-4 and larger.
Caps, 1-2, 3-4 and 1 inch.
Locknuts, 3-4, 1 inch and 1 1-4 inch.
Reducing Couplings, 3-4x1-2 to 1 in. inclusive.

R. and L. Couplings 1-2 and 3-4.
R. H. Couplings, 1 2 and 3 4.
Extension Pieces, 3-4 and larger.
Waste Nuts, 1 inch and larger.
Return Bends, 3-4 and 1 inch.
45° Ells, 3-4 to 2 inches, inclusive.
Y's, 1 inch and larger.
Return Bends, R. and L., 1 1-4 and larger.
Elbows, R. and L., 3-4 and 1 inch.

### Class D. Price 13 Cents Per Pound

R. and L. Coupling.

Elbows and Tees, 3-4 and 1 inch.
Crosses, 1 1-4 inches and larger.
Street Ells, 1 inch and larger.
Caps, 1 1-4 inches and larger.
Locknuts, 1 1 2 inches and larger.
Reducing Couplings, 1 1-4 inch and larger.
R. H. Couplings, 1 inch and 1 1-4.
Return Bends, 1 1-4 inches and larger.
R. and L. Couplings, 1 inch and larger.
45° Elbows, 2 1-2 inches and larger.
Elbows R. and L., 1 1-4 inches and larger.

Such Fittings in this Class that have Outlets smaller than 3-4 inch, to be classed as "C."

### Class E. Price 11 Cents Per Pound

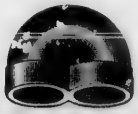
Reducing Coupling.

Elbows and Tees, 1 1-4 inches and larger. Such Fittings in this Class that have Outlets smaller than 1 inch, to be classed "D."
Right Hand Couplings, 1 1-2 inches and 2 inches.
The run of Tees gives the size for the purpose of classification and the Outlet being larger does not change it.

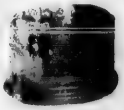
Orders for less than 25 lbs., in Classes "B," "C," "D" and "E," will be charged at a uniform price of 20 cents per lb. Galvanized Fittings 8 cents per lb. net extra.

Cross.

Lock Nut.

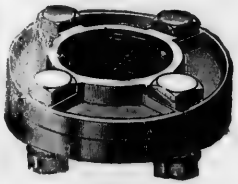


Return Bend.



Cap.

## CAST IRON FITTINGS



### Flange Unions

| Inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 |
|---|---|---|---|---|---|---|
| Each | $0.65 | .70 | .85 | 1.15 | 1.50 | 1.75 |
| Inch | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
| Each | $2.25 | 2.75 | 3.15 | 4.50 | 5.00 | 6.50 |

### Cast Iron Flanges

Drilled for screws.

| For pipe, inch | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|
| Each | $ | | | | | |

### Branch Tees

1 inch inlet, 2 1-2 inches centre to centre.

| Number of branches | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| Each | $0.90 | 1.00 | 1.20 | 1.40 | 1.70 | 2.15 | 2.40 |

All openings in Branch Tees for circulation are tapped right hand.
Inlets and outlets same size as branches unless otherwise ordered.
☞ Can also supply with 1 1-4, 1 1-2 and 2 inch inlets.

### Hook Plates

Price, each.

| No. of Hooks | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| For 1 inch pipe, 2 1-2 inches between centres | $0.07 | .14 | .18 | .20 | .26 | .32 |
| For 1 1-4 inch pipe, 3 inches between centres | $0.08 | .16 | .20 | .25 | .32 | .40 |
| For 1 1-2 inch pipe, 3 1-2 inches between centres | $0.12 | .24 | .30 | .36 | .45 | .60 |
| For 2 inch pipe, 4 1-2 inches between centres | $0.18 | .36 | .50 | .65 | .80 | .95 |

## CAST IRON FITTINGS

### Elbows

RIGHT HAND.

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|---|
| Each | $0.04 | .05 | .06 | .09 | .13 | .20 | .25 | .40 |
| Inch | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 | |
| Each | $0.75 | 1.10 | 1.35 | 1.80 | 2.50 | 2.85 | 3.90 | |

RIGHT AND LEFT.

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|---|
| Each | $0.05 | .06 | .07 | .11 | .16 | .23 | .29 |
| Inch | 2 | 2 1-2 | 3 | | | | |
| Each | $0.46 | .85 | 1.25 | | | | |

### Elbows 45°

| Inch | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|
| Each | $0.10 | .10 | .15 | .20 | .26 | .35 | .50 |
| Inch | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
| Each | $1.30 | 1.60 | 1.90 | 2.50 | 3.50 | 4.50 | 5.50 |

### Tees

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|---|
| Each | $0.06 | .07 | .09 | .13 | .20 | .30 | .38 | .60 |
| Inch | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 | |
| Each | $1.10 | 1.50 | 2.00 | 2.50 | 3.50 | 4.00 | 5.50 | |

### Reducing Tees

| Inch | | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|
| Each | | $0.11 | .15 | .23 | .35 | .44 | .70 |
| Inch | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 |
| Each | $1.25 | 1.75 | 2.30 | 2.90 | 4.00 | 4.60 | 6.35 |

## COMPRESSION PLAIN BIBB COCKS

Fig. 545. For Lead Pipe - Plain.

| Inch | | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|---|---|
| Finished | Each | $0.75 | .84 | 1.00 | 1.50 | 2.83 |
| Nickel-plated | Each | .92 | 1.04 | 1.21 | 1.71 | 3.08 |

Fig. 546. For Lead Pipe—With Stuffing Box.

| Inch | | 3-8 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|---|
| Finished | Each | $0.92 | 1 00 | 1.17 | 1.75 |
| Nickel-plated | Each | 1.08 | 1 21 | 1.38 | 1.96 |

## COMPRESSION PLAIN BIBB COCKS

Fig. 550. For Iron Pipe—Without Stuffing Box.

| Inch | | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|---|---|
| Finished | Each | $0.88 | .92 | 1.08 | 1.67 | 3.08 |
| Nickel-plated | Each | 1.00 | 1.12 | 1.30 | 1.88 | 3.34 |

For Iron Pipe—With Stuffing Box.

| Inch | | 3-8 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|---|
| Finished | Each | $1.00 | 1.08 | 1.25 | 1.92 |
| Nickel-plated | Each | 1.17 | 1.30 | 1.47 | 2.13 |

5-8 inch Iron Pipe Bibbs are screwed for 3-4 inch iron pipe.

## Compression Hose Bibbs

Fig. 551 For Lead Pipe—Without Stuffing Box.

FINISHED.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|---|
| Each | $0.83 | .92 | 1.08 | 1.67 | 3.08 |

NICKEL-PLATED.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|---|
| Each | $1.00 | 1.12 | 1.30 | 1.88 | 3.34 |

With Stuffing Box.

FINISHED.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|
| Each | $1.00 | 1.08 | 1.25 | 1.92 |

NICKEL-PLATED.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 |
|---|---|---|---|---|
| Each | $1.17 | 1.30 | 1.47 | 2.13 |

## COMPRESSION HOSE BIBBS

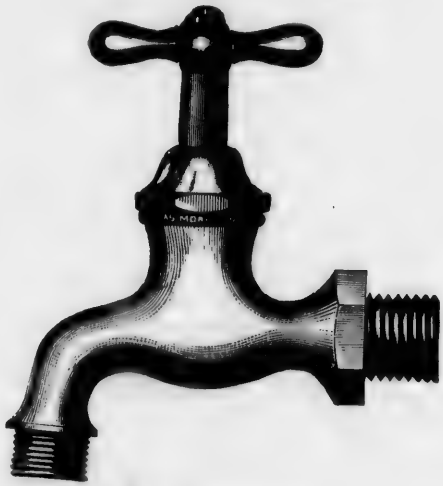


Fig. 553. For Iron Pipe.

WITHOUT STUFFING BOX.

| Inch | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|
| Finished | $1.00 | 1.17 | 1.84 | 3.34 |
| Nickel-plated, Each | 1.21 | 1.38 | 2.04 | 3.58 |

WITH STUFFING BOX.

| Inch | 1-2 | 5-8 | 3-4 |
|---|---|---|---|
| Finished, Each | $1.17 | 1.34 | 2.10 |
| Nickel-plated, Each | 1.38 | 1.55 | 2.30 |

5-8 inch Iron Pipe Bibbs are screwed for 3-4 inch Iron Pipe.

## Lawn Sprinklers

Fig. 774.

Fig 7.

Fig. 774—Champion Sprinkler, with spike, nickel-plated.....Each $0.80

Fig. 7 California Sprinkler, revolving head, painted and striped, with coupling for 1-2 and 3-4 inch hose..Each 2.25

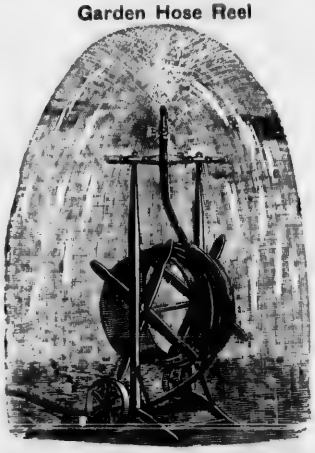
## HOSE NOZZLES

### Magic Hose Nozzles

Magic Hose Nozzles, straight stream or spray, 1-2 and 3-4 inch ..... Per dozen $ 9.75
Magic Hose Nozzles, straight stream or spray, 1 inch ..... Per dozen 18.00

Gem Hose Nozzles, 1-2 and 3-4 inch, finished ..... Per dozen $6 75

### Garden Hose Reel



Garden Hose Reels ..... Each $1.25
Garden Hose Reels, with drum, Each 2.00

### Hose Ties

Brass Wire for Hose.

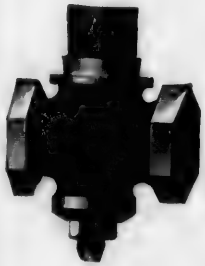
| Inch | 1-2 | 3-4 |
|---|---|---|
| Per gross | $2.40 | 2.80 |

Hose Pliers, small ..... Each $0.30
Hose Pliers, large ..... Each .40

### Hose Couplings

| Inch | 1-2 | 3-4 | 1 |
|---|---|---|---|
| Per dozen | .50 | 1.65 | 3.30 |

## BRASS FITTINGS



### Steam Cocks

BEST STEAM METAL. SQUARE HEADS

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.70 | .75 | 1.10 | 1.50 | 2.25 | 3.75 | 4.80 | 7.25 | 14.00 | 20.00 | 30.00 | 50.00 |

### Check Valves

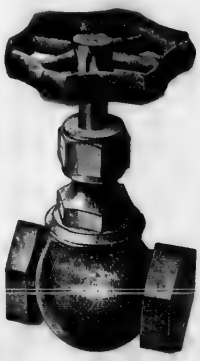
Horizontal, Angle or Vertical

BEST STEAM METAL.

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.50 | .60 | .85 | 1.15 | 1.55 | 2.30 | 3.25 | 5.20 | 10.00 | 14.00 |

Jenkins' Pattern

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|---|
| Each | $1.10 | 1.20 | 1.30 | 1.90 | 2.60 | 3.60 | 5.00 | 7.50 |



### Globe Valves

BEST STEAM METAL.

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 |
|---|---|---|---|---|---|---|
| Each | $0.60 | .75 | 1.00 | 1.35 | 1.80 | 2.80 |
| Inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
| Each | $3.90 | 5.90 | 11.25 | 16.00 | 30.00 | 40.00 |

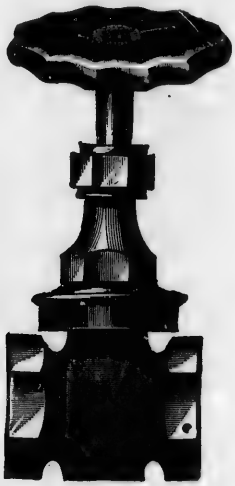
Jenkins' Pattern

| Inch | 1 4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|---|---|---|---|---|
| Each | $1.10 | 1.25 | 1.60 | 2.20 | 2.80 | 4.00 | 5.50 | 8.00 |

## BRASS FITTINGS

Angle Valve

Peet Valve



BEST STEAM METAL.

### Angle Valves

| Inch | 1-4 | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $0.60 | .75 | 1.00 | 1.35 | 1.80 | 2.80 | 3.90 | 5.90 | 11.25 | 16.00 | 30.00 | 40.00 |

### Peet Valves

| Inch | 3-8 | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Each | $1.20 | 1.30 | 1.75 | 2.25 | 3.25 | 4.25 | 6.25 | 11.50 | 16.00 | 32.00 | 40.00 |

No. 7

### Compression Air Valves

WOOD WHEEL HEAD.

Finished.

| Inch | 1-8 | 1-4 | 3-8 |
|---|---|---|---|
| Each | $0.65 | .70 | .75 |

Nickel-Plated.

| Inch | 1-8 | 1-4 | 3-8 |
|---|---|---|---|
| Each | $0.70 | .75 | .80 |

## AIR OR PET COCKS

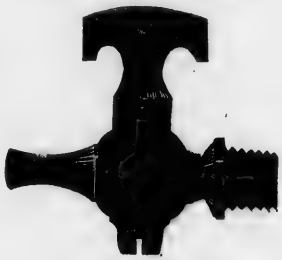


Fig. 390.

T. Handle. Straight Drain.

| Size of shank, iron pipe thread | 1-8 | .... | 1-4 | .... | 3-8 | .... | 1-2 |
|---|---|---|---|---|---|---|---|
| Finished, each | $0.40 | .... | .45 | .... | .50 | .... | 60 |

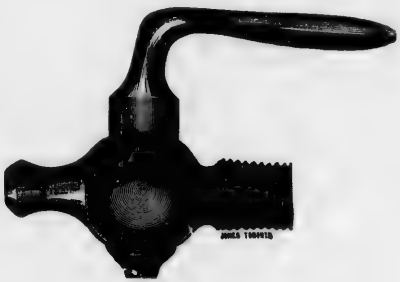


Fig. 388.

Lever Handle. Straight Drain.

| Size of shank, iron pipe thread | 1-4 | .... | 3-8 | .... | 1-2 |
|---|---|---|---|---|---|
| Finished, each | $0.60 | .... | .65 | .... | .75 |

## Cylinder Cocks

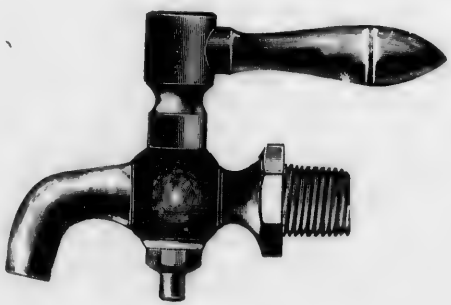


Fig. 377.

Lever Handle. Bent Nose.

| Size of shank, iron pipe thread | 1-4 | .... | 3-8 | .... | 1-2 |
|---|---|---|---|---|---|
| Finished, each | $0.85 | .... | .90 | .... | 1.00 |

## WATER GAUGES

Fig. 340.

**Iron Wheels**

No. 3—Rough, round body, two guards, 5-8 x 12 inch glass, 1-2 inch iron pipe..... Each $3.00

## Compression Gauge Cocks

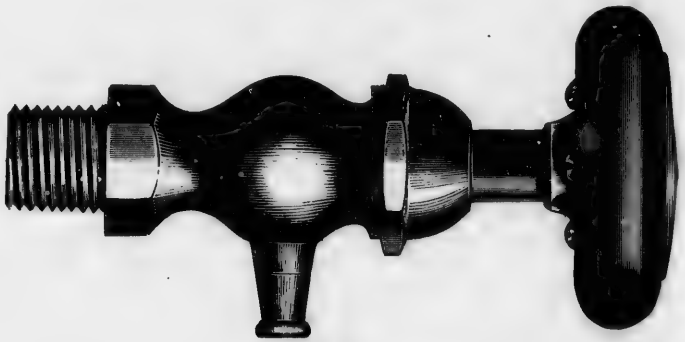


Fig. 353.

**Wood Handle, with Stuffing Box**

| Size of shank, iron pipe thread | 3-8 | 1-2 | 3-4 |
|---|---|---|---|
| Finished, with babbit valve | $1.10 | 1.15 | 1.20 |

## Steam Whistles

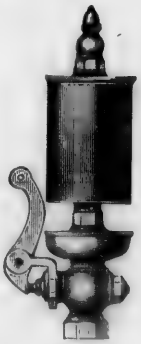


Fig. 291.

**Best Steam Metal, with Valve**

| Inch | 1 1-2 | 2 | 2 1-2 | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 6 | 8 |
|---|---|---|---|---|---|---|---|---|---|---|
| Each | $4.00 | 4.75 | 6.50 | 8.00 | 11.00 | 14.00 | 17.25 | 22.00 | 30.00 | 80.00 |

## BRASS FITTINGS

### Steam Gauges

**Iron Case, Brass Ring and Cock**

| Dia. of Dial, inches | 5 | 5 1-2 | 6 | 6 3-4 | 8 1-2 |
|---|---|---|---|---|---|
| Each | $6.00 | 8.00 | 10.00 | 14.00 | 21.00 |

**Brass Case, Ring and Cock**

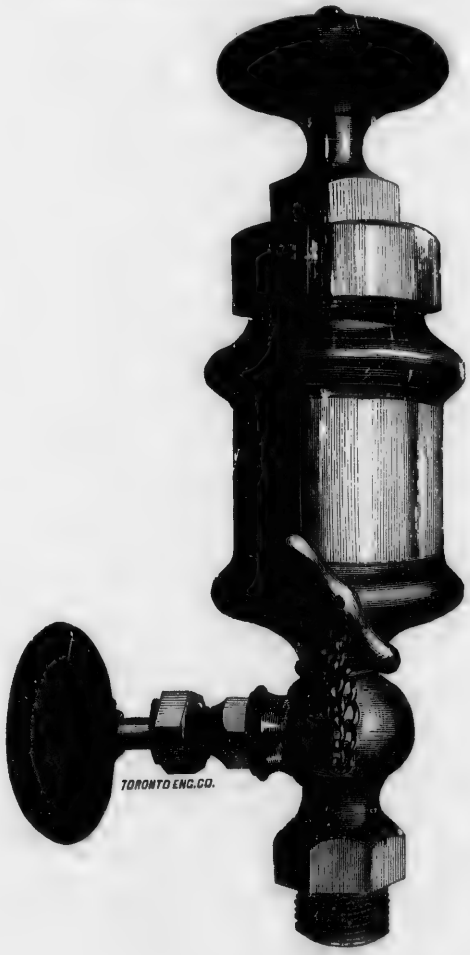
| Dia. of Dial, inches | 5 | 5 1-2 | 6 | 6 3-4 | 8 1-2 |
|---|---|---|---|---|---|
| Each | $9.00 | 11.00 | 14.00 | 18.00 | 27.00 |

### Steam Gauge Syphons

Steam Gauge Syphons, 1-4 inch wrought iron pipe ..... Each $0.50

## CYLINDER LUBRICATORS

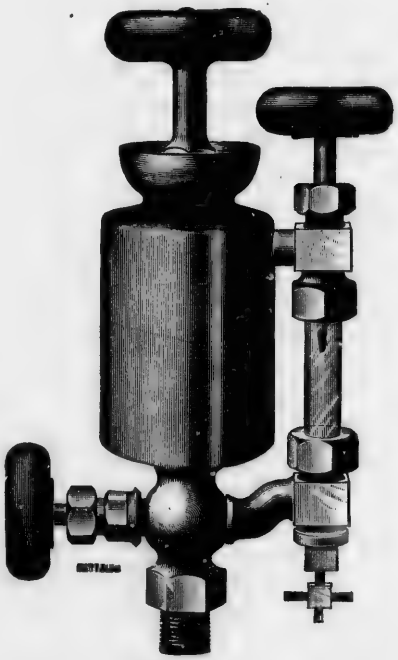
With Patent Metallic Disc, Cap and Drain Valve.




| | | | | | |
|---|---|---|---|---|---|
| Diameter of cup, inches | 1 1-2 | 2 | 2 1-2 | 3 | 4 |
| Size of shank, screwed iron pipe thread | 3-8 | 1-2 | 1-2 | 3-4 | 3-4 |
| Finished, each | $3.25 | 3.75 | 4.75 | 5.75 | 7.25 |

## "QUEEN" SIGHT-FEED LUBRICATOR

Patented



PRICE LIST.

| Size. | Plain Brass. | | Nickel-plated. |
|---|---|---|---|
| 1-3 pint | $4.50 | ..... | 5.00 |
| 1-2 pint | 5.00 | ..... | 6.00 |
| 1 pint | 8.00 | ..... | 9.00 |

The first and only sight feed lubricator, with single connection, introduced, that proves perfect after the severest tests.

The method of oiling by means of these lubricators consists in introducing the oil drop by drop into the steam pipe, where it atomizes and mingles with the steam and is carried to every part of the valves and cylinder, lubricating all parts reached by the steam. By their use all wearing parts of the engine from throttle valve down receive just the quantity of oil needed continuously while the engine is working.

The sight-feed feature, which shows the oil drop by drop on its way to the parts to be lubricated enables the engineer to see at a glance how rapidly the oil is being fed, and by the use of the feed valve he can adjust the lubricator to feed any quantity desired. When the feed is once regulated it need not be changed until the oil is exhausted though the engine may be run a week.

## IMPROVED MICHIGAN LUBRICATOR

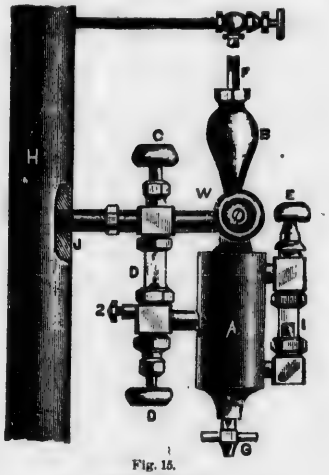



Fig. 15.

### DIRECTIONS.

**How to Apply.**—First drill and tap the steam pipe above the throttle with a 1-2 or 3-4 inch gas tap, as may be required to receive the oil discharge pipe; then tap the steam pipe not less than 18 inches above the top of the condensing chamber, as may be required, using 1-4 inch gas pipe for steam connecting tube, which attach to top of condenser. If, for any reason, the steam pipe cannot be tapped "18 inches or more above the condensing chamber," it may be tapped lower down, and the tube of required length may be bent or coiled.

**How to Fill and Operate.**—Close valves D and W, open valve G, draw off the water, close valve G and fill with oil. First, open valve W, then regulate the flow of oil with valve D.

In case of strong pulsation, valve C to be partly closed until oil feeds steadily; same to be closed in case of breaking feed glass.

Before starting the cup, time should be allowed for "sight-feed glass and condensing chamber" to fill with water by condensation.

When there is danger of freezing when not in use, valve D, G and E should be left open and Fig. 2.

In special cases, when cup cannot be attached, as shown in cut, send us a diagram and we will give directions.

When applied and operated according to instructions, we guarantee perfect satisfaction, as they never fail.

Should it become necessary, the Lubricator may be cleansed by simply opening the valves by which steam can be forced through it, cleansing all the passages without disconnecting the cup or stopping the engine.

PRICE LIST.

| SIZE. | Plain Brass. | Nickel-Plated | SIZE. | Plain Brass. | Nickel-Plated |
|---|---|---|---|---|---|
| 1-3 Pint | $4 50 | $5.00 | 1 Quart | $11.00 | $12.00 |
| 1-2 Pint | 5.00 | 6.00 | 2 Quarts | 16.00 | 19.00 |
| 1 Pint | 8 00 | 9.00 | | | |

1-3 Pint with Drop Glass only.

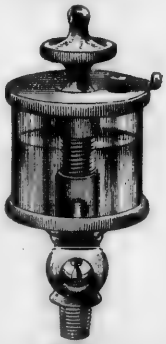


Fig. 30.

## The Gem Oil Cup

This Cup has no superior.

PRICE LIST PER DOZEN.

| NUMBER. | To Fit Standard Pipe Tap. | Brass. | Nickel. |
|---|---|---|---|
| 0 (1 oz.) | 1-4 inch | $15.00 | $18.50 |
| 1 (2 oz.) | 1-4 inch | 16.00 | 20.00 |
| 2 (3 1-2 oz.) | 1-4 inch | 18.00 | 21.50 |
| 3 (5 oz.) | 1-4 inch | 20.00 | 23.50 |
| 4 (7 oz.) | 3-8 inch | 23.00 | 27 00 |
| 5 (9 oz.) | 3-8 inch | 26.00 | 30.50 |
| 6 (12 oz.) | 3-8 inch | 32.00 | 37.50 |

Special threads without extra charge.

For Glass Sight Feed, $1.00 per dozen extra.

## GLASS OIL CUPS

### Brass Shell Wire Feed Oilers

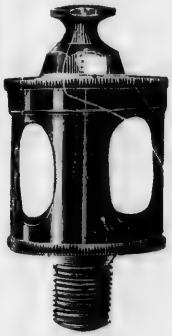


Fig. 50.

With Guards

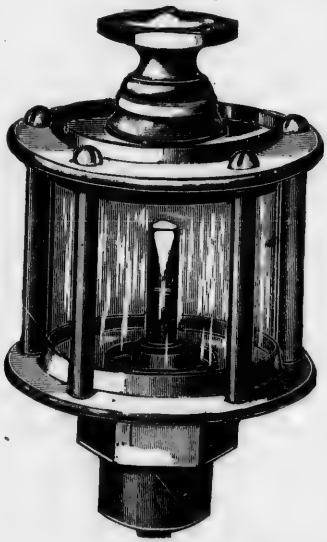


Fig. 300.

With Brass Shell

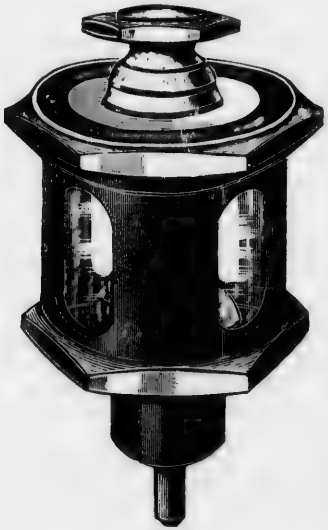


Fig. 301.

PRICE LIST.

Fig. 300 and 301.

| Number | Diameter and Length of Glass. | Size of Shank Screwed for Iron Pipe. | With Guards, Finished, Price each. | Brass Shell, Finished, Price each. |
|---|---|---|---|---|
| 5 | 1 x 1 | 1-4 | $1.55 | $1.55 |
| 6 | 1 x 1 1-8 | 1-4 | 1.75 | 1.75 |
| 7 | 1 1-4 x 1 1-4 | 1-4 or 3-8 | 1.90 | 1.90 |
| 8 | 1 1-4 x 1 1-2 | 1-4 or 3-8 | 2.05 | 2.05 |
| 9 | 1 1-2 x 1 1-2 | 3-8 | 2.20 | 2.20 |
| 10 | 1 1-2 x 1 5-8 | 3-8 | 2.40 | 2.40 |
| 11 | 1 5-8 x 1 5-8 | 1-2 | 2.60 | 2.60 |
| 12 | 1 5-8 x 1 3-4 | 1-2 | 2.80 | 2.80 |
| 13 | 1 3-4 x 2 | 1-2 | 3.00 | 3.00 |
| 14 | 2 x 2 | 1-2 | 3.30 | 3.30 |
| 15 | 2 x 2 1-2 | 1-2 | 3.60 | 3.60 |
| 16 | 2 1-2 x 2 1-2 | 3-4 | 5.50 | 5.50 |
| 17 | 3 x 3 | 3-4 | 6.60 | 6.60 |
| 18 | 3 1-2 x 3 1-2 | 3-4 | 7.75 | 7.75 |
| 19 | 4 x 4 | 3-4 | 8.80 | 8.80 |

### Glass Shell Splash Feed Oil Cup

Fig. 51.

PRICE LIST.

Fig. 50 and 51.

For Lubricating Crank Eccentric and Cross-Head

| Number. | Diameter and Length of Glass. | Size of Shank Screwed for Iron Pipe. | Fig. 50. Brass, Price each. | Fig. 50. Nickel, Price each. | Fig. 51. Brass, Price each. | Fig. 51. Nickel, Price each. |
|---|---|---|---|---|---|---|
| 7 | 1 1-4 x 1 1-4 | 1-4 | $1.00 | $1.25 | $1.00 | $1.25 |
| 8 | 1 1-4 x 1 1-2 | 1-4 | 1.25 | 1.50 | 1.25 | 1.50 |
| 10 | 1 1-2 x 1 5-8 | 1-4 | 1.50 | 1.75 | 1.50 | 1.75 |
| 11 | 1 5-8 x 1 5-8 | 3-8 | 1.75 | 2.00 | 1.75 | 2.00 |
| 12 | 1 5-8 x 1 3-4 | 3-8 | 2.00 | 2.25 | 2.00 | 2.25 |
| 13 | 1 3-4 x 2 | 3-8 | 2.25 | 2.50 | 2.25 | 2.50 |
| 14 | 2 x 2 | 3-8 | 2.50 | 2.75 | 2.50 | 2.75 |
| 15 | 2 x 2 1-2 | 3-8 | 2.75 | 3.00 | 2.75 | 3.00 |

## BRASS OIL CUPS

### Plain Oil Cup

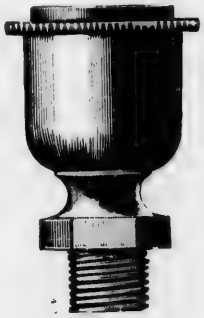


Fig. 25.

### Spring Top Oiler

Pat. by T. J. Carroll.

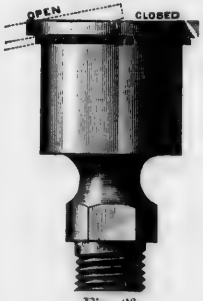



Fig. 26.

PRICE LIST.

| Diameter of Cup, Inches. | Size of Shank, Screwed for Iron Pipe. | Plain, Price Each. | Spring Top, Price Each. | T. J. C. Price Each. |
|---|---|---|---|---|
| 3-4 | 1-8 | $0.30 | $0.30 | $0.30 |
| 7-8 | 1-4 | .35 | .35 | .35 |
| 1 | 1-4 | .40 | .40 | .40 |
| 1 1-8 | 1-4 | .50 | .50 | .50 |
| 1 1-4 | 1-4 | .60 | .60 | .60 |
| 1 1-2 | 3-8 | .90 | .90 | .90 |
| 1 3-4 | 3-8 | 1.25 | 1.25 | 1.25 |
| 1 7-8 | 3-8 | 1.50 | 1.50 | 1.50 |
| 2 | 1-2 | 1.75 | 1.75 | 1.75 |
| 2 1-4 | 1-2 | 2.25 | 2.25 | 2.25 |
| 2 1-2 | 1-2 | 2.75 | 2.75 | 2.75 |
| 3 | 1-2 | 4.50 | 4.50 | 4.50 |

### Wood Plug Oilers

FOR SHAFTING.

The Wood Plug Oiler is in use by the largest mills and factories in the country, and is pronounced by all who use it to be a saving of 50 per cent. over the old way of oiling.

### T. J. C. Patent Oiler

This Oiler has no pins or springs to get out of order; it is perfectly tight and will not leak; it is made of the very best steam metal, and in sizes from 3-4 inch to 3 inches.

Fig. 27.

Fig. 22.

Fig. 23.

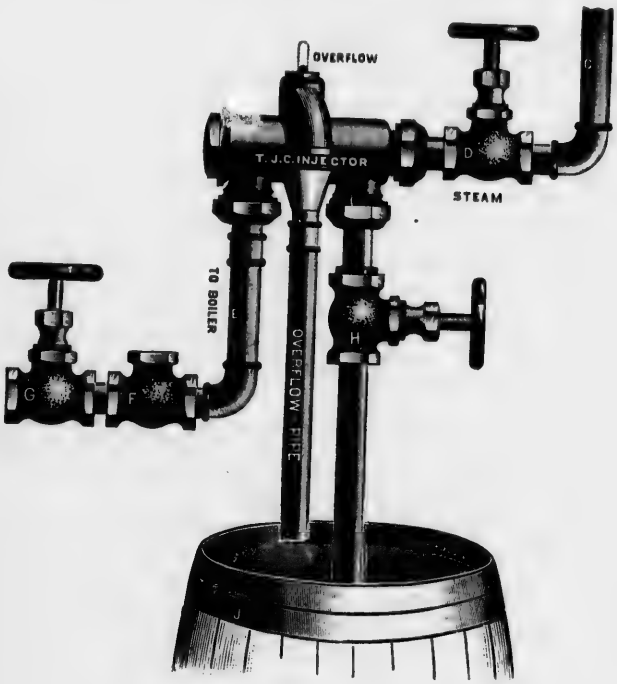
Fig. 24

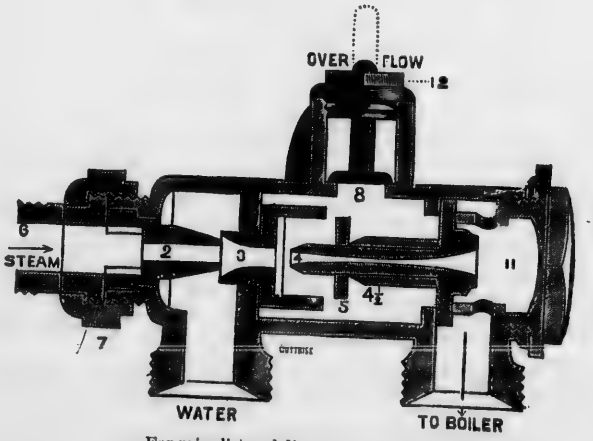
| | |
|---|---|
| Wood Plug, Glass Oilers for shafting | Per dozen $3.00 |
| Full Globe | Per dozen 3.00 |
| Flat Side | Per dozen 3.00 |
| Flat Side and Top | Per dozen 3.00 |

## T. J. C. INJECTOR

THE BEST AND MOST RELIABLE INJECTOR IN THE MARKET.

Patented by T. J. Carroll.




For price list and directions see page 596.

## THE T. J. C. INJECTOR

### Price List.

| NUMBER. | Price. | Gals. per hr. 65 lbs. press. | Size of Pipe Connection. | Horse Power. |
|---|---|---|---|---|
| 7 | $ 7.00 | 80 | 3-8 | 4 to 8 |
| 10 | 7.00 | 120 | 1-2 | 8 to 16 |
| 15 | 10.50 | 300 | 3-4 | 16 to 40 |
| 20 | 15.00 | 540 | 1 | 40 to 72 |
| 25 | 22.50 | 900 | 1 1-4 | 72 to 120 |
| 35 | 30.00 | 1740 | 1 1-2 | 120 to 220 |
| 45 | 38.00 | 2870 | 2 | 220 to 300 |

### Price List of Parts for T. J. C. Injector.

| No. | | 7 | 10 | 15 | 20 | 25 | 35 | 45 |
|---|---|---|---|---|---|---|---|---|
| 2 | Steam Jet | $0.50 | $0.50 | $0.60 | $0.75 | $1.00 | $1.25 | $1.50 |
| 3 | Suction Jet | .50 | .50 | .60 | .75 | 1.00 | 1.25 | 1.50 |
| 4 | Delivery Jet | 1.50 | 1.50 | 2.00 | 3.00 | 4.00 | 4.50 | 5.00 |
| 5 | Ring Valve | .25 | .25 | .25 | .25 | .50 | .50 | .50 |
| 6 | Tail Pipe | .25 | .25 | .25 | .50 | .75 | .75 | .75 |
| 7 | Tail Nut | .25 | .25 | .25 | .50 | .75 | .75 | .75 |
| 8 | Overflow Valve | .25 | .50 | .50 | .50 | .75 | .75 | 1.00 |
| 4 1-2 | Deliver Sleeve | .25 | .25 | .25 | .25 | .50 | .50 | .50 |
| 11 | Tail Plug | .60 | .60 | .75 | 1.00 | 1.25 | 1.50 | 1.75 |
| 12 | Overflow Cap | .25 | .25 | .25 | .50 | .50 | .75 | .75 |

### DIRECTIONS

#### For Connecting and Operating Injector

Be sure and and blow out steam pipe thoroughly before connecting Injector so as to remove any dirt, rust or scale that may have accumulated in pipes. This is important.

Take steam from highest point of boiler possible, and never connect with any steam pipe used for other purposes.

If more than 10 feet of suction pipe is used, it should be a size larger than Injector fittings. Any of the pipes used can be larger, but in no event smaller. If water is forced through a heater there must be a Check Valve between heater and injector to prevent back pressure. All connections must be tight, especially in suction pipe.

Don't use a wrench on tail pipes No. 6. The hole in end next to Injector is made Square for the purpose of inserting a chisel or piece of iron on which to use a wrench.

#### To Operate.

Open water valve H, also steam valve D as soon as water appears at overflow, throttle water until discharge ceases, when Injector will be working. If Injector will not force water to the boiler, the trouble is dirt in the Delivery Jet, and by shutting water valve until steam appears, then giving quickly one quarter turn or more open, it will start Injector if dirt is not too large to go through jet. On long lift or high steam it is sometimes necessary to open steam valve only part way until water appears, then open full.

When water flows to Injector, open steam valve first, then water valve.

For illustrations see page 595.

## EJECTOR

MADE OF BEST STEAM METAL.

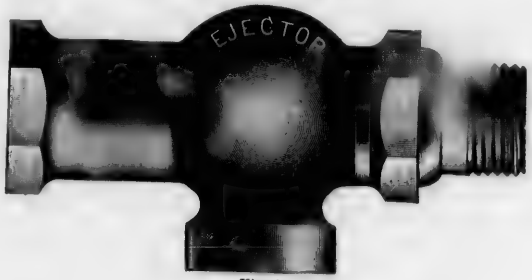



Fig. 9.

### T. J. C. Ejector or Steam Pump

PRICE LIST AND CAPACITY

| SIZE. | Steam Connection in Inches. | Suction and Delivery in Inches. | Capacity per 60 Pounds in Gallons | Price Each. | Strainers. |
|---|---|---|---|---|---|
| No. 1—Brass | 3-8 | 1-2 | 250 | $ 8.00 | $ 0.50 |
| No. 2—Brass | 1-2 | 3-4 | 500 | 10.00 | .75 |
| No. 3—Brass | 3-4 | 1 | 960 | 15.00 | 1.00 |
| No. 4 Brass | 1 | 1 1-4 | 1300 | 20.00 | 1.25 |
| No. 5 Brass | 1 | 1 1-2 | 2000 | 25.00 | 1 50 |
| No. 6—Iron | 1-4 | 2 | 3500 | 35.00 | 1.75 |
| No. 7—Iron | 1 1-4 | 2 1-2 | 5000 | 40.00 | |
| No. 8—Iron | 2 | 3 | 8000 | 50.00 | |

Nos. 6, 7 and 8 iron bodies, balance brass. Capacity based on 4 foot lift.

PRICE LIST OF PARTS FOR THE T. J. C. EJECTOR OR STEAM JET PUMP.

| SIZE No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Steam Jet | $0.50 | $0.70 | $0.85 | $1.00 | $1.00 | $1.25 | $1.75 | $2.00 |
| Delivery Jet | .80 | 1.00 | 1.25 | 1.50 | 1.75 | 2.50 | 4.00 | 6.00 |
| Tail Pipe, Steam End | .50 | .65 | .75 | 1.00 | 1.00 | 1.15 | 1.25 | 2.00 |
| Coupling Nut, Steam End | .50 | .65 | .75 | 1.00 | 1.00 | 1.15 | 1.15 | 3.00 |

Ejectors adjusted for above conditions can be mounted to lift and force liquids. They will lift sixteen feet without decreasing the given capacities. At higher or lower steam pressure the capacities are correspondingly increased or decreased. At pressures of from 30 to 45 pounds they will lift from 6 to 12 feet. As a rule these Ejectors will force water to a height corresponding to double the amount of operating steam pressure. For very high elevations they should not be made to lift. The higher the temperature of the liquids, the lower the lift. At lifts of 20 feet it can be from 60° to 65° Fahr. If not required to lift, these Ejectors will take water at 160° Fahr. temperature. The amount of steam necessary to work Ejectors increases with elevations, and the temperature of elevated liquids will rise accordingly from 40° to 50° Fahr.

### APPLICATION OF EJECTORS.

All pipes must not be of smaller diameters than those given in table, and care should be taken that joints in suction pipe are perfectly tight.

For high elevations and high temperature of liquids the Ejectors should be submerged from 3 to 6 feet. The suction pipe should always be provided with a strainer. It is also recommended to insert a stop valve in force pipe to facilitate cleaning of suction pipe by steam if necessary. This is important in all cases where impure substances have to be raised.

To start the Ejector, open steam valve slowly until the suction is effected, when full amount of steam should be admitted quickly.

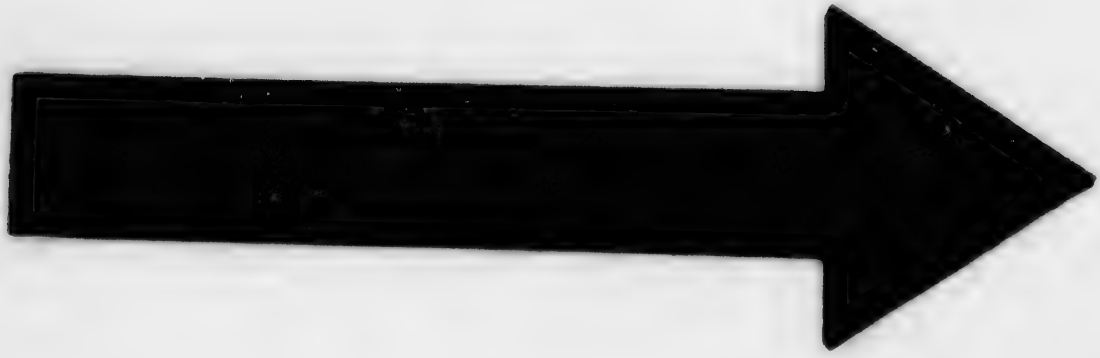
To enable us to send the most suitable Ejector, and to insure the utmost capacity by minimum amount of steam state with order :

1—The substance to be elevated, quantity and temperature of same.

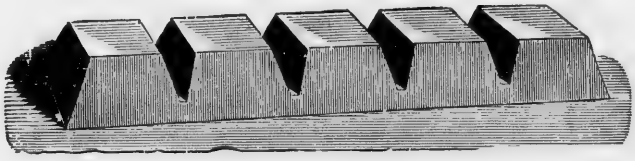
2—The height of elevation and suction, if required by local conditions.

3—Steam pressure.

4—The mode of application, whether lifting or forcing, or forcing only.



## BABBITT METAL



Hoyt's Superior Quality Babbitt Metal

| Nos. | 4 | 3 | 2 | 1 | Genuine |
|---|---|---|---|---|---|
| Per pound | $0.10 | .17 | .20 | .25 | .45 |

In boxes containing about 50 lbs.

| | Pig Lead | Bar Lead |
|---|---|---|
| Per pound | $ | $ |

## Solder

Half-and-Half Solder ..... Per pound $

## Silver Solder

For Joining Band Saws, etc.

Per ounce ..... $2.25

## Ingot Tin

Lamb and Flag, or Straits ..... Per pound $

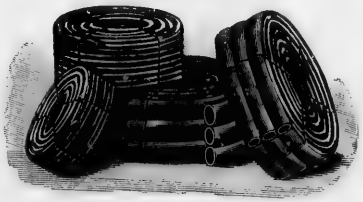
## Bar Tin

Strictly pure ..... Per pound $

Zinc Spelter

Antimony

## RUBBER HOSE



### Conducting and Hydrant Hose

| Internal diameter, inch | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|
| Two ply, per foot | $0.20 | .25 | .33 | .42 | .50 | .58 | .66 |
| Three ply, per foot | $0.25 | .30 | .40 | .50 | .60 | .70 | .80 |

50 feet in a roll.

### Hard Rubber Suction Hose, 4 Ply

| Internal diameter, inch | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 |
|---|---|---|---|---|---|---|---|---|
| Per foot | $0.57 | .75 | .93 | 1.13 | 1.31 | 1.50 | 1.70 | 1.88 |

All classes of rubber hose, packing, etc., supplied to order.

### Cotton Garden and Mill Hose

Rubber lined.

| Internal diameter, inch | 1-2 | 3-4 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 |
|---|---|---|---|---|---|---|---|---|---|
| Per foot | $0.25 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | 1.00 |

50 feet in a roll.

### Engine Packing

Rubber Packing, with Cloth insertion

| Inch | 1-32 | 1-16 | 3-32 | 1-8 | 3-16 | 1-4 |
|---|---|---|---|---|---|---|
| Per pound | $0.35 | .35 | .30 | .30 | .30 | .30 |

Round and Square Piston Packing

Square Piston Packing, rubber back ..... Per pound $0.75
Round Piston Packing, in twelve feet lengths ..... Per pound .75

Square Piston Packing Rubber Back, is made in lengths of twenty feet.

### Rainbow Sheet Packing

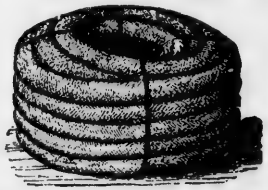
1-16, 3-32 and 1-8 inch ..... Per pound $1.00

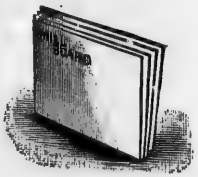
The genuine Rainbow Packing has name "Rainbow" in a diamond in black extending through the entire length of every roll.

## ENGINE PACKING

Square Flax Packing, 1-4 to 1 inch ..... Per lb. $0.10

## Asbestos and Soapstone Packing



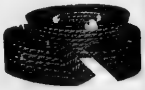


| | | |
|---|---|---|
| Asbestos Rope Packing, 1-4 to 1 inch | Per lb. | $0.60 |
| Asbestos Wick Packing, in small balls | Per lb. | .60 |
| Asbestos Mill Board or Sheet Packing, in rolls 36 inches wid | Per lb. | .15 |
| Soapstone Packing | Per lb. | .18 |

## Garlock Patented Pack

Elastic Ring.

Spiral Packing.



Sectional Ring.

| | | |
|---|---|---|
| Garlock's Elastic Ring Packing | Per lb. | $1.20 |
| Garlock's Sectional Ring Packing | Per lb. | 1.20 |
| Garlock's Spiral Packing | Per lb. | 1.00 |
| Garlock's Gaskets | Per lb. | .75 |
| Garlock's Graphite Flange Packing | Per lb. | |

The following is a very close estimate of the weight of a single box of Garlock's Spiral Packing. Each box contains 12 feet. Larger sizes can be furnished to order at same price.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Box 3-16 inch | Weighs | 1-2 | pound | Box 1-2 inch | Weighs | 2 1-8 | pounds | Box 13-16 inch | Weighs | 5 3-4 | pounds |
| Box 1-4 " | " | 3-4 | " | Box 9-16 " | " | 2 7-8 | " | Box 7-8 " | " | 6 5-8 | " |
| Box 5-16 " | " | 1 | " | Box 5-8 " | " | 3 5-8 | " | Box 15-16 " | " | 7 | " |
| Box 3-8 " | " | 1 1-2 | " | Box 11-16 " | " | 4 1-4 | " | Box 1 " | " | 8 1-4 | " |
| Box 7-16 " | " | 1 3-4 | " | Box 3-4 " | " | 4 3-4 | " | | | | |

## Hair Felt

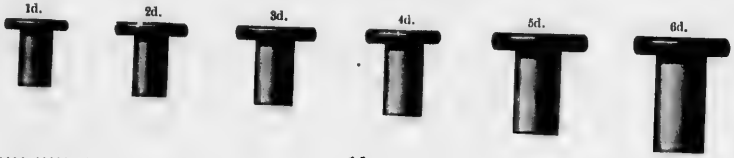
For Covering Boilers, Steam Pipes, Etc.

In rolls 6 feet wide.

| | | |
|---|---|---|
| Thickness, inch | 1-2 | 3-4 |
| Per square foot | $0.09 | .11 |

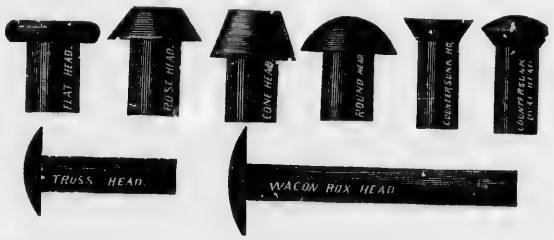
## COOPERS' RIVETS

List of April 12th, 1892.




| Size | 1d. | 2d. | 3d. | 4d. | 5d. | 6d. |
|---|---|---|---|---|---|---|
| Length, Inch | 15-32 | 1-2 | 17-32 | 9-16 | 5-8 | 5-8 |
| Diameter, W.G | 4 | 3 | 3 | 2 | inch 5-16 | 11-32 |
| Per pound | $0.13 | .13 | .12½ | .12½ | .12 | .12 |

## Iron Rivets in Bulk




**List of Round, Flat, Wagon Box, Truss, Wheel, or other style heads, in quantities**

List of April 12th, 1892.

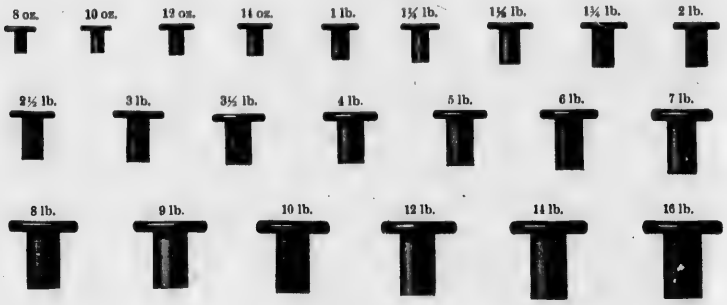
PRICE PER POUND.

| DIAMETER Inch | LENGTH 1-2 and longer | 15-32 | 7-16 | 13-32 | 3-8 | 11-32 | 5-16 | 9-32 | 1-4 | 7-32 | 3-16 | 5-32 | 1-8 | 3-32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7-16 | 11 1-2 | 11 1-2 | 11 1-2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 3-8 | 12 | 12 | 12 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 11-32 | 12 | 12 | 12 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 5-16 | 12 1-2 | 12 1-2 | 12 1-2 | 13 | 13 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| No. 1 | 12 1-2 | 12 1 2 | 12 1-2 | 13 | 13 | 15 | .. | .. | .. | .. | .. | .. | .. | .. |
| " 2 | 12 1-2 | 12 1-2 | 12 1-2 | 13 | 13 | 13 | 14 | .. | .. | .. | .. | .. | .. | .. |
| " 3 | 13 | 13 | 13 | 14 | 14 | 14 | 15 | 15 | 15 | 16 | 16 | .. | .. | .. |
| " 4 | 13 | 14 | 14 | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 1 | 18 | .. | .. |
| " 5 | 14 | 15 | 16 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 1 | 20 | 20 | 21 |
| " 6 | 14 | 15 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 20 | 22 | 23 | 24 | 25 |
| " 7 | 15 | 16 | 17 | 17 | 17 | 17 | 18 | 18 | 19 | 20 | 22 | 23 | 24 | 25 |
| " 8 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 19 | 19 | 21 | 22 | 23 | 24 | 25 |
| " 9 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 21 | 21 | 23 | 25 | 27 | 29 | 30 |
| " 10 | 19 | 20 | 21 | 22 | 23 | 25 | 27 | 28 | 28 | 30 | 33 | 35 | 37 | 38 |
| " 11 | 20 | 22 | 24 | 26 | 27 | 28 | 30 | 31 | 31 | 33 | 37 | 40 | 43 | 45 |
| " 12 | 21 | 24 | 26 | 28 | 29 | 30 | 32 | 34 | 35 | 36 | 41 | 45 | 50 | 55 |
| " 13 | 25 | 27 | 30 | 33 | 34 | 35 | 37 | 39 | 40 | 41 | 45 | 50 | 55 | 60 |
| " 14 | 27 | 30 | 35 | 35 | 40 | 45 | 50 | 52 | 54 | 56 | 58 | 60 | 63 | 65 |

**Rivets made from wire smaller than No. 14, all lengths, 70 cents per pound.**

**Tinning, 6 cents per pound extra.**

## THOUSAND RIVETS




List of April 12, 1892.

In boxes per 1000.

| Size. | Black. | Tinned. | Size. | Black. | Tinned. |
|---|---|---|---|---|---|
| 8 ounce | $ 0.20 | $ 0.24 | 4 pound | $ 0.64 | $ 0.88 |
| 10 ounce | .22 | .25 | 5 pound | .75 | 1.05 |
| 12 ounce | .24 | .28 | 6 pound | .90 | 1.26 |
| 14 ounce | .26 | .30 | 7 pound | 1.05 | 1.50 |
| 1 pound | .27 | .33 | 8 pound | 1.20 | 1.70 |
| 1¼ pound | .29 | .37 | 9 pound | 1.27 | 1.80 |
| 1½ pound | .32 | .41 | 10 pound | 1.40 | 2.00 |
| 1¾ pound | .36 | .47 | 12 pound | 1.70 | 2.40 |
| 2 pound | .40 | .52 | 14 pound | 1.90 | 2.75 |
| 2½ pound | .47 | .63 | 16 pound | 2.25 | 3.10 |
| 3 pound | .53 | .72 | 18 pound | 2 60 | 3.70 |
| 3½ pound | .58 | .80 | 20 pound | 2.80 | 4.00 |

## Tinned Iron Belt Rivets

In one pound boxes.

PRICE PER POUND.

| Nos | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|
| Inch, 1-4 | ..... | .25 | .25 | .27 | .34 |
| Inch, 5-16 | $0.24 | .24 | .25 | .27 | .33 |
| inch, 3-8 | $0.23 | .23 | .24 | .26 | .29 |
| Inch, 7-16 | $0.22 | .23 | .23 | .25 | .27 |
| Inch, 1-2 and longer | $0 20 | .21 | .22 | .24 | .25 |

## Annealed Iron Burs, Black and Tinned

In one pound boxes.

| Nos | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|---|---|---|---|---|---|---|---|---|---|
| Black, per pound | $0.25 | .26 | .27 | .30 | .32 | .38 | .34 | .35 | .43 |
| Tinned, per pound | $0.31 | .32 | .33 | .36 | .38 | .39 | .40 | .41 | .49 |

## COPPER RIVETS AND BURS

Cuts of No. 8 Belt Rivets.

### Belt Ri...

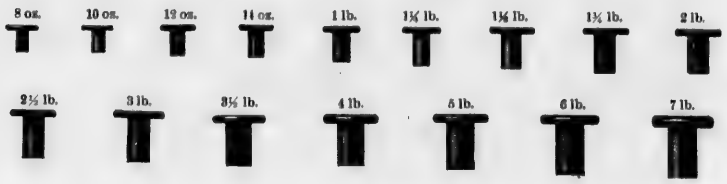
In One Pound Boxes.

| Nos | 7 | 8 | 10 | 12 |
|---|---|---|---|---|
| | 30 40 | 50 | 74 | 88 |

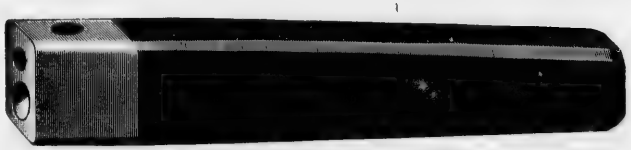
| Inch | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | | | | | | | | | | | | | | | |
| 3-4 | | | | | | | | | | | | | | | $0.22 |
| 1 | | | | | | | | | | | $0.25 | | | | .22 |
| 1 1-4 | | | | | | | | $0.35 | $0.30 | $0.29 | $0.28 | .25 | $0.24 | $0.22 | |
| 1 1-2 | | | | | | | | .38 | .33 | .30 | .29 | .27 | .25 | .24 | |
| 1 3-4 | | | | | $0.67 | $0.58 | $0.50 | .42 | .37 | .34 | .32 | .30 | | | |
| 2 | | | | | .75 | .65 | .55 | .45 | .40 | .37 | .35 | | | | |
| 2 1-4 | | $1.70 | $1.00 | $0.90 | .80 | .70 | .60 | .48 | .44 | .40 | .38 | .37 | | | |
| 2 1-2 | $2.20 | 1.80 | | 1.00 | .87 | .75 | .65 | .54 | | .44 | | .40 | | | |
| 3 | 2.47 | | 1.20 | 1.10 | .93 | .80 | .70 | .58 | | | | | | | |
| 3 1-4 | | | 1.40 | 1.30 | 1.10 | .93 | | | | | | | | | |
| 3 1-2 | 2.73 | | | 1.40 | | | | | | | | | | | |
| 4 1-4 | 3.14 | | | 1.50 | | | | | | | | | | | |
| 4 1-2 | 3.27 | | | | | | | | | | | | | | |

Spring Cotters and Flat Spring Keys imported to order.

## THOUSAND RIVETS




## CAST STEEL RIVET SETS



Full size cut of No. 3.

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| Per dozen | $5.50 | 4.75 | 4.75 | 3.75 | 3.75 | 3.00 | 3.00 |

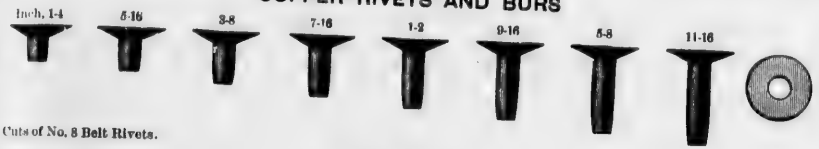
Half dozen in a box.

## Annealed Iron Burs, Black and Tinned

In one pound boxes.

| Nos. | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|---|---|---|---|---|---|---|---|---|---|
| Black, per pound | $0.25 | .26 | .27 | .30 | .32 | .33 | .34 | .35 | .42 |
| Tinned, per pound | $0.31 | .32 | .33 | .36 | .38 | .39 | .40 | .41 | .48 |

## COPPER RIVETS AND BURS




Cuts of No. 8 Belt Rivets.

### Belt Rivets

In One Pound Boxes.

| Nos. | 7 | 8 | 10 | 12 |
|---|---|---|---|---|
| All lengths from 1-4 to 1 1-2 inch, per pound | $0.49 | .50 | .54 | .58 |

NUMBER OF COPPER BELT RIVETS AND BURS IN A POUND.

| Number | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | Burs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 264 | 248 | 184 | 192 | 156 | 152 | 136 | 116 | 104 | 92 | 84 | 76 | 420 |
| 8 | 276 | 268 | 226 | 204 | 192 | 168 | 160 | 136 | 116 | 104 | 100 | 94 | 588 |
| 10 | 420 | 392 | 348 | 290 | 280 | 258 | 236 | 202 | 196 | ... | ... | ... | 840 |
| 12 | 688 | 520 | 500 | 420 | 376 | 367 | 358 | 326 | ... | ... | ... | ... | 1262 |

### Coppered Iron Belt Rivets and Burs

In One Pound Boxes.

No. 8 Rivets, all lengths..... Per pound $0.18
No. 8 Burs..... Per pound 0.30

### Nettlefold's Split Cotter Pins

PRICE PER GROSS.

| Numbers | 3-8 | 5-16 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inch | | | | | | | | | | | | | | | |
| 1-2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $0.22 |
| 3-4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $0.35 | $0.30 | $0.29 | $0.28 | $0.25 | ..... | ..... | .22 |
| 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .38 | .33 | .30 | .29 | .27 | $0.24 | $0.22 | ..... |
| 1 1-4 | ..... | ..... | ..... | ..... | $0.67 | $0.58 | $0.50 | .42 | .37 | .34 | .32 | .30 | .25 | .24 | ..... |
| 1 1-2 | ..... | ..... | ..... | ..... | .75 | .65 | .55 | .45 | .40 | .37 | .35 | ..... | ..... | ..... | ..... |
| 1 3-4 | ..... | ..... | $1.00 | $0.90 | .80 | .70 | .60 | .48 | .44 | .40 | .38 | .37 | ..... | ..... | ..... |
| 2 | ..... | $1.70 | ..... | 1.00 | .87 | .75 | .65 | .54 | ..... | .44 | ..... | .40 | ..... | ..... | ..... |
| 2 1-4 | $2.20 | 1.80 | 1.20 | 1.10 | .93 | .80 | .70 | .58 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2 1-2 | 2.47 | ..... | 1.40 | 1.30 | 1.10 | .93 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 3 | ..... | ..... | ..... | 1.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 3 1-4 | 2.73 | ..... | ..... | 1.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 3 1-2 | 3.14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 4 1-2 | 3.27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

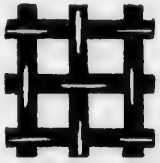
Spring Cotters and Flat Spring Keys imported to order.

## WOVE WIRE

**Cuts show full size of Mesh and Wire.**

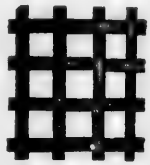
**Hardware Grade, Wire Cloth.**

**Meshes are from centre to centre of Wires. Put up in 12 yard Rolls.**

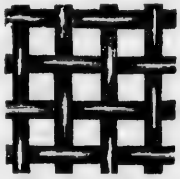


No. 2 1-2 Mesh, of No. 10 Wire.

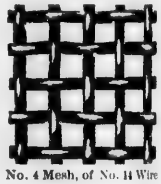
| Size of Mesh. | No. of Wire. | Cents per Yard. | | | |
|---|---|---|---|---|---|
| | | 18-Inch | 21-Inch | 24-Inch | 30-Inch |
| Inches. | | | | | |
| 2 x 2 | 18 | 28 | 30 | 35 | 45 |
| 2 1-2 x 2 1-2 | 19 | 28 | 30 | 35 | 45 |
| 3 x 3 | 20 | 28 | 30 | 35 | 45 |
| 4 x 4 | 22 | 28 | 30 | 35 | 45 |
| 5 x 5 | 23 | 28 | 30 | 35 | 45 |
| 6 x 6 | 24 | 28 | 30 | 35 | 45 |
| 7 x 7 | 25 | 30 | 32 | 37 | 47 |
| 8 x 8 | 26 | 30 | 32 | 37 | 47 |
| 9 x 9 | 27 | 30 | 32 | 37 | 47 |
| 10 x 10 | 28 | 33 | 35 | 40 | 50 |
| 12 x 12 | 30 | 33 | 35 | 40 | 50 |
| 14 x 14 | 32 | 35 | 37½ | 43 | 55 |
| 16 x 16 | 34 | 35 | 37½ | 43 | 55 |
| 18 x 18 | 35 | 37 | 40 | 45 | 55 |
| 20 x 20 | 36 | 37 | 40 | 45 | 55 |
| 22 x 22 | 36 | 37 | 40 | 45 | 55 |
| 24 x 24 | 36 | | | 54 | 65 |
| 26 x 26 | 37 | | | 60 | 75 |



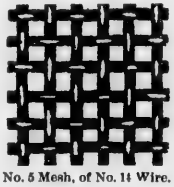
No. 3 1-2 Mesh, of No. 13 Wire.



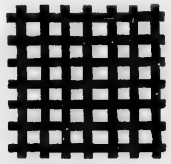
No. 3 Mesh, of No. 12 Wire.



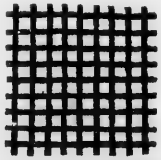
No. 4 Mesh, of No. 14 Wire



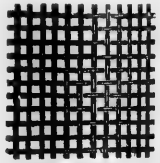
No. 5 Mesh, of No. 14 Wire.



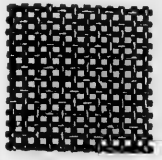
No. 6 Mesh, of No. 16 Wire.



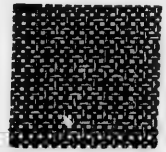
No. 8 Mesh, of No. 18 Wire.



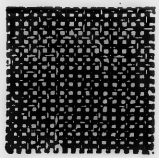
No. 10 Mesh, of No. 19 Wire.



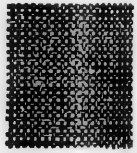
No. 12 Mesh, of No. 20 Wire.



No. 14 Mesh, of No. 21 Wire.



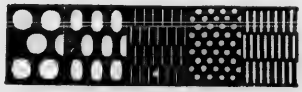
No. 16 Mesh, of No. 23 Wire.



No. 18 Mesh, of No. 25 Wire.

### Special Sand Screen Cloth

**No. 3 x 3 inch of No. 16 Steel Wire, 30 and 36 inches wide.**



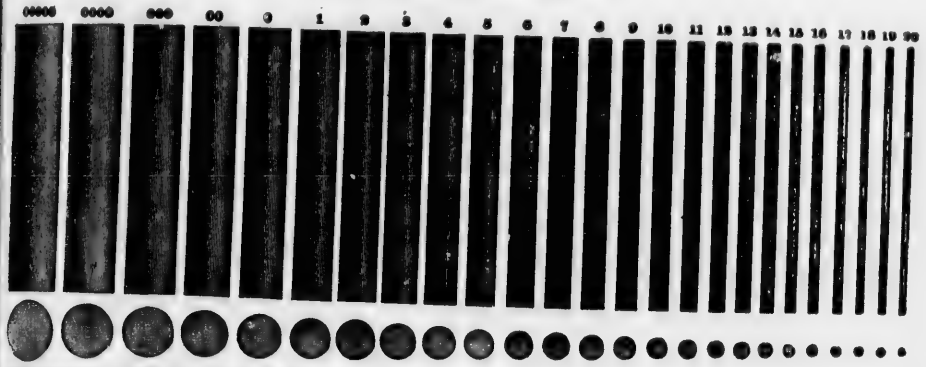
### Perforated Sheet Zinc and Steel

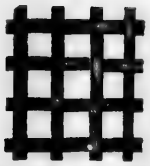
**All sizes in stock or supplied to order.**

## DIAMETER OF WIRE

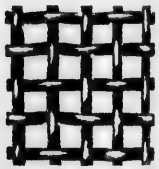
**By various Gauges in use in the United States and England.**

**Weights, Length and Breaking Strain**

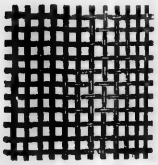


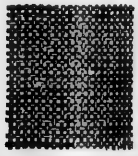
No. 3 1-2 Mesh, of No. 13 Wire.



No. 4 Mesh, of No. 14 Wire



No. 10 Mesh, of No. 19 Wire.



No. 18 Mesh, of No. 25 Wire.

| No. | DECIMALS OF AN INCH. Trenton Iron Co's Gauge. | Birmingham Gauge (Stubs). | American Browne & Sharpe's Gauge. | Washburn & Moen (Worcester) Gauge. | New British Standard Gauge, March 1, '84 | WEIGHT OF. 100 Yards. Lbs. | Mile. Lbs. | LENGTH OF. 100 Lbs. Yards. | BREAKING STRAINS. Annealed. Lbs. | Bright. Lbs. | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 00000 | .450 | | | .430 | .432 | 144.4 | 2541 | 70 | 7814 | 11725 | 00000 |
| 0000 | .400 | .454 | .46 | .393 | .400 | 123.8 | 2179 | 81 | 6702 | 10052 | 0000 |
| 000 | .360 | .425 | .40964 | .362 | .372 | 107.1 | 1885 | 94 | 5796 | 8694 | 000 |
| 00 | .330 | .380 | .3648 | .331 | .348 | 93.7 | 1649 | 107 | 5072 | 7608 | 00 |
| 0 | .305 | .340 | .32486 | .307 | .324 | 81.2 | 1429 | 123 | 4397 | 6595 | 0 |
| 1 | .285 | .300 | .2893 | .283 | .300 | 69.6 | 1225 | 144 | 3770 | 5655 | 1 |
| 2 | .265 | .284 | .25763 | .263 | .276 | 58.9 | 1037 | 170 | 3190 | 4785 | 2 |
| 3 | .245 | .259 | .22942 | .244 | .252 | 49.1 | 864 | 203 | 2660 | 3990 | 3 |
| 4 | .225 | .238 | .20431 | .225 | .232 | 41.6 | 732 | 240 | 2254 | 3381 | 4 |
| 5 | .205 | .220 | .18194 | .207 | .212 | 34.8 | 612 | 287 | 1883 | 2824 | 5 |
| 6 | .190 | .203 | .16202 | .192 | .192 | 28.5 | 502 | 351 | 1660 | 2476 | 6 |
| 7 | .175 | .180 | .14428 | .177 | .176 | 24. | 422 | 417 | 1600 | 2136 | 7 |
| 8 | .160 | .165 | .12849 | .162 | .160 | 19.8 | 348 | 505 | 1360 | 1813 | 8 |
| 9 | .145 | .148 | .11443 | .148 | .144 | 16.0 | 282 | 625 | 1130 | 1507 | 9 |
| 10 | .130 | .134 | .10189 | .135 | .128 | 12.7 | 223 | 787 | 925 | 1233 | 10 |
| 11 | .1175 | .120 | .090742 | .120 | .116 | 10.4 | 183 | 962 | 738 | 1010 | 11 |
| 12 | .105 | .109 | .080808 | .105 | .104 | 8.4 | 148 | 1190 | 607 | 810 | 12 |
| 13 | .0925 | .095 | .071961 | .092 | .092 | 6.5 | 114 | 1539 | 473 | 631 | 13 |
| 14 | .080 | .083 | .064084 | .080 | .080 | 5. | 88 | 2000 | 356 | 474 | 14 |
| 15 | .070 | .072 | .057068 | .072 | .072 | 4. | 70 | 2500 | 280 | 372 | 15 |
| 16 | .061 | .065 | .05082 | .063 | .064 | 3.2 | 56 | 3125 | 220 | 292 | 16 |
| 17 | .0525 | .058 | .045257 | .054 | .056 | 2.4 | 42 | 4167 | 165 | 222 | 17 |
| 18 | .045 | .049 | .040303 | .047 | .048 | 1.8 | 32 | 5555 | 127 | 169 | 18 |
| 19 | .040 | .042 | .03589 | .041 | .040 | 1.2 | 21 | 8333 | 103 | 137 | 19 |
| 20 | .035 | .035 | .031961 | .035 | .036 | 1. | 18 | 10000 | 80 | 107 | 20 |
| 21 | .031 | .032 | .028462 | .032 | .032 | .76 | 13.44 | 13100 | ..... | ..... | 21 |
| 22 | .028 | .028 | .025347 | .028 | .028 | .62 | 10.97 | 16041 | ..... | ..... | 22 |
| 23 | .025 | .025 | .022571 | .025 | .024 | .50 | 8.75 | 20128 | ..... | ..... | 23 |
| 24 | .0225 | .022 | .0201 | .023 | .022 | .40 | 7.08 | 24857 | ..... | ..... | 24 |
| 25 | .020 | .020 | .0179 | .020 | .020 | .32 | 5.59 | 31448 | ..... | ..... | 25 |
| 26 | .018 | .018 | .01594 | .018 | .018 | .26 | 4.53 | 38822 | ..... | ..... | 26 |
| 27 | .017 | .016 | .014195 | .017 | .0164 | .23 | 4.04 | 43522 | ..... | ..... | 27 |
| 28 | .016 | .014 | .012641 | .016 | .0148 | .21 | 3.58 | 49228 | ..... | ..... | 28 |
| 29 | .015 | .013 | .011257 | .015 | .0136 | .18 | 3.15 | 55899 | ..... | ..... | 29 |
| 30 | .014 | .012 | .010025 | .014 | .0124 | .156 | 2.74 | 64177 | ..... | ..... | 30 |
| 31 | .013 | .010 | .008928 | .0135 | .0116 | .14 | 2.36 | 74422 | ..... | ..... | 31 |
| 32 | .012 | .009 | .00795 | .013 | .0108 | .12 | 2.01 | 87353 | ..... | ..... | 32 |
| 33 | .011 | .003 | .00708 | .011 | .0100 | .10 | 1.69 | 103970 | ..... | ..... | 33 |
| 34 | .010 | .007 | .006304 | .010 | .0092 | .080 | 1.40 | 125786 | ..... | ..... | 34 |
| 35 | .0095 | .005 | .005614 | .0095 | .0084 | .072 | 1.26 | 139417 | ..... | ..... | 35 |
| 36 | .009 | .004 | .005 | .009 | .0076 | .064 | 1.13 | 155257 | ..... | ..... | 36 |
| 37 | .0085 | ..... | ..... | .0085 | .0068 | ..... | ..... | ..... | ..... | ..... | ..... |
| 38 | .008 | ..... | ..... | .008 | .0060 | ..... | ..... | ..... | ..... | ..... | ..... |
| 39 | .0075 | ..... | ..... | .0075 | .0052 | ..... | ..... | ..... | ..... | ..... | ..... |
| 40 | .007 | ..... | ..... | .007 | .0048 | ..... | ..... | ..... | ..... | ..... | ..... |

## IRON AND STEEL WIRE

PRICE PER 100 LBS. AUGUST 1ST, 1895.

| NUMBERS. | 0/7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ | $ |
| Bright | 2.60 | 2.60 | 2.65 | 2.75 | 2.85 | 2.95 | 3.00 | 3.15 | 3.35 | 3.65 | 3.80 | 4.00 | 4 25 | 4 45 |
| Annealed | 2.65 | 2.65 | 2.70 | 2.80 | 2.90 | 3.00 | 3.10 | 3.25 | 3.50 | 3 95 | 4.00 | 4.20 | 4 45 | 4 65 |
| Oiled and Annealed | 2.65 | 2.65 | 2.70 | 2.80 | 2.90 | 3.00 | 3.15 | 3.30 | 3.65 | .00 | 4.15 | .... | .... | .... |
| Coppered | 3.10 | 3.10 | 3.15 | 3.25 | 3.40 | 3 50 | 3.75 | 4.00 | 4.20 | 4.50 | 5.30 | 5.60 | 6 00 | .... |
| Coppered Spring | 3.60 | 3.60 | 3.65 | 3.75 | 4.35 | 4.45 | 4.50 | 4.65 | 4.85 | 5.15 | 5.80 | 6.10 | .... | .... |
| Galvanized | 3.15 | 3.15 | 3.25 | 3.35 | 3.45 | 3.60 | 3.75 | 3.90 | 4.25 | 5.30 | 5.50 | 5.70 | 6 00 | .... |

| NUMBERS. | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bright, Weaving and Binding (Black) | 5.10 | 5.25 | 5.60 | 6.30 | 7.00 | 8.00 | 8 50 | 9.00 | 9.50 | 10.00 | 10.50 | 11.00 | 12 00 | 13 00 |

EXTRAS—NET.

| | | |
|---|---|---|
| Best Steel Wire | $0.65 | per 100 lbs. |
| Bright Soft Drawn | .15 | " " |
| Charcoal (extra quality) | 1.00 | " " |
| Packed in casks or cases | .15 | " " |
| Bagging and papering | .10 | " " |
| 50 and 100 lb bundles | .05 | " " |

**Annealed Wire, Nos. 17, 18, 19 and 20**

| | | |
|---|---|---|
| In 25 lb. bundles | $0.10 | per 100 lbs. |
| " 1 " hanks | .50 | " " |
| " ½ " hanks | .75 | " " |
| " ¼ " hanks | 1.00 | " " |

**Heavy Straightened Wire**

In bundles, cut 10 to 12 feet long (not exact).

| Size, inch | 7-16 | 3-8 | 5-16 | 1-4 | 3-16 |
|---|---|---|---|---|---|

Prices will be quoted on application.

**Light Straightened Wire**

Cut to special exact length.

| Size of Wire. | Over 20 in. long. Per 100 lbs. | 10 to 20 in. long. Per 100 lbs. | 5 to 10 in. long. Per 100 lbs. |
|---|---|---|---|
| No. 0 to 5 Gauge | $0.40 | 0.60 | 1.00 |
| No. 6 to 9 Gauge | .75 | 1.00 | 1.50 |
| No. 10 to 11 Gauge | .90 | 1.50 | 2.00 |
| No. 12 to 16 Gauge | 1.00 | 2.00 | 3.00 |

## American Coppered Steel Spring Wire

| Nos. | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per 100 lbs. | $ | | | | | | | | | | | | | | |

## Cast Steel Wire

| Nos. | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per | $ | | | | | | | | | | | | | | | | |

## Stubs' Silver Steel Wire

IN 12 INCH LENGTHS.

| Nos. Stubs' Gauge | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per pound | $ | | | | | | | | | | | |
| Nos. Stubs' Gauge | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| Per pound | $ | | | | | | | | | | | |
| Nos. Stubs' Gauge | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | | | | |
| Per pound | $ | | | | | | | | | | | |

IN 3 FEET LENGTHS.

| Nos. Stubs' Gauge | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 28 |
|---|---|---|---|---|---|---|---|---|---|
| Per pound | $ | | | | | | | | |
| Inch | 15-64 | 1-4 | 17-64 | 9-32 | 19-64 | 5-16 | 21-64 | 11-32 | 23-64 | 38 |
| Per pound | $ | | | | | | | | | |

## ROLLASON'S PATENT CAST STEEL MUSIC WIRE

IN HALF POUND BUNDLES.

| Nos. | 2 | 4 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | |

| Nos | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | | | | | | |

### Brass Spring Wire

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | | | | | |

| Nos | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | | |

### Annealed Brass Snare Wire

IN 1 AND 2 OZ. RINGS.

| Nos. | 22 | .... | 24 | .... | 26 |
|---|---|---|---|---|---|
| Per pound | | | | | |

IN 4 OZ. RINGS.

| Nos | 22 | .... | 24 | .... | 26 |
|---|---|---|---|---|---|
| Per pound | | | | | |

### Soft Copper Wire

| Nos | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | | |

| Nos | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|---|
| Per pound | | | | | | | | | |

### Wire on Spools

Exact size. No. 8 or "Hair Wire" Spool.

| Nos. | 28 | .... | 32 | .... | 34 | .... | 36 |
|---|---|---|---|---|---|---|---|
| Black, per dozen spools | $0.35 | .... | 40 | .... | .... | .... | .45 |
| Tinned, per dozen spools | 0.40 | .... | .45 | .... | .50 | .... | .55 |

Exact size. Quarter Pound Spool.

**Brass Spring Wire, 1-4 lb. Spools.**

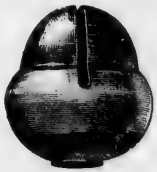
| Nos. | 16 | .... | 18 | .... | 20 | .... | 22 |
|---|---|---|---|---|---|---|---|
| Per dozen spools | $1.95 | .... | 1.95 | .... | 2.10 | .... | 2.25 |

**Soft Copper Wire, 1-4 lb. Spools.**

| Nos. | 16 | .... | 18 | .... | 20 | .... | 22 |
|---|---|---|---|---|---|---|---|
| Per dozen spools | $2.10 | .... | 2.10 | .... | 2.10 | .... | 2.40 |

One dozen spools in a box.

Dexter.



Dome.

Acorn.

New Bevel.

Centennial.

## SLEIGH BELLS

We do not illustrate full line of Sleigh Bells, but can supply strapped bells (in patterns of bells shown) for back or body, plain black or russet leather, felt lined or leather bound, gilt or nickel bells.

Shaft Gongs, Saddle Chimes, Open Team Bells.

Our travellers will carry samples in regular season, new patterns being constantly introduced.

Saddle Chimes. No. 12.

Open Team Bell.

Dome Shaft Gong. No. 11.

Swiss Chimes.

Bevel Chimes.

## COW BELLS

Full size cut of No. 6.

| Nos. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| Height without loop, inch | 6 3-4 | 6 | 5 1-2 | 4 7-8 | 4 | 3 1-4 | 2 3-4 | 2 3-8 |
| Width at mouth, inch | 5 3-4 | 5 1-4 | 4 3-4 | 3 7-8 | 3 1-2 | 3 | 2 1-2 | 2 1-4 |
| Per dozen | $7.00 | 5.75 | 4.50 | 3.50 | 3.00 | 2.25 | 1.75 | 1.50 |

## Cow Bell Straps

Leather Cow Bell Straps, 42 inches long, 1 1-4 inches wide ..... Per dozen $3.00

## Cast Sheep Bells

With Leather Strap.

Full size cut.

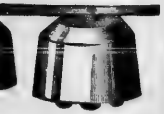
No. 12—Cast Sheep Bell, with leather strap ..... Per dozen $3.75

supply strapped bells (in
sset leather, felt lined or

patterns being constantly

Open Team Bell.

11.



## FARM BELLS

These Bells are made of good material and are the best of their class.

No. 2—Diameter 17 inches, weight 50 pounds ..... Each $3.75
No. 3—Diameter 19 inches, weight 75 pounds ..... Each 5.00
No. 4—Diameter 21 inches, weight 100 pounds ..... Each 6.75

## Steel Alloy Church and School Bells

No. 24. With Tolling Attachment.

These bells can be relied on under all circumstances and in all seasons.

Bells are numbered by the diameter in inches.

| List Number and Diameter in inches. | Weight of Bell only. | Weight of Bell and Mountings. | List Price. |
|---|---|---|---|
| 20 | 105 pounds. | 150 pounds. | $16 00 |
| 22 | 125 pounds. | 175 pounds. | 20.00 |
| 24 | 155 pounds. | 225 pounds. | 25.00 |
| 26 | 220 pounds. | 325 pounds. | 40.00 |
| 28 | 255 pounds. | 425 pounds. | 50.00 |

Tolling hammers for Nos. 24, 26 and 28 when so ordered, $5.00 each, extra.

All sizes, except Nos. 20 and 22, have springs.

.....Each $3.75
.....Each 5.00
.....Each 6.75

List Price

$16.00
20.00
25.00
40.00
50.00

# ERRATA

## HARVEST TOOLS

**An advance in List Prices of Forks, Hoes, Etc. (illustrated in Pages 611 to 618) was made by manufacturers after this Catalogue had passed through printer's hands. The following are the Revised Prices applying to the above mentioned pages.**

### Page 611

| | | |
|---|---|---|
| 2 Prong Boys' Forks, plain ferrule, straight handle | Per dozen | $ 6.00 |
| 2 Prong Hay Forks, plain ferrule, straight handle | Per dozen | 7.00 |
| 2 Prong Hay Forks, plain ferrule, bent handle | Per dozen | 7.50 |
| 2 Prong Hay Forks, plain ferrule, bent handle, 14 inch tine | Per dozen | 8.75 |
| 2 Prong Hay Forks, strap ferrule, straight handle | Per dozen | 8.50 |
| 2 Prong Hay Forks, strap ferrule, bent handle | Per dozen | 9.00 |
| 3 Prong Hay Forks, plain ferrule, straight handle | Per dozen | 8.50 |
| 3 Prong Hay Forks, plain ferrule, bent handle | Per dozen | 9.00 |
| 3 Prong Hay Forks, plain ferrule, bent handle, 14 inch tine | Per dozen | 10.00 |
| 3 Prong Hay Forks, strap ferrule, straight handle | Per dozen | 9.75 |
| 3 Prong Hay Forks, strap ferrule, bent handle | Per dozen | 10.25 |
| 4 Prong Hay Forks, plain ferrule, bent handle, 12 inch tine | Per dozen | 12.00 |

### Page 612

| | | |
|---|---|---|
| 3 Prong Straw Forks, plain ferrule, straight handle, 14 inch tine | Per dozen | $10.25 |
| 3 Prong Barley Forks, plain ferrule, bent handle, 16 inch tine | Per dozen | 11.75 |
| 4 Prong Straw Forks, plain ferrule, bent handle, 16 inch tine | Per dozen | 15.75 |
| 4 Prong Barley Forks, plain ferrule, bent handle, 20 inch tine | Per dozen | 17.75 |
| 4 Prong Barley Forks, plain ferrule, bent handle, 20 inch tine with movable backs | Per dozen | 19.75 |

### Page 613

| | | |
|---|---|---|
| 4 Prong Manure Forks, long handle, plain ferrule | Per dozen | $11.75 |
| 4 Prong Manure Forks, long handle, strap ferrule | Per dozen | 13.25 |
| 4 Prong Manure Forks, D handle, plain ferrule | Per dozen | 13.00 |
| 4 Prong Manure Forks, D handle, strap ferrule | Per dozen | 14.25 |
| 4 Prong Manure Forks, long handle, plain ferrule, "Acme" double shank | Per dozen | 13.00 |
| 4 Prong Manure Forks, long handle, strap ferrule, "Acme" double shank | Per dozen | 14.50 |
| 4 Prong Manure Forks, D handle, plain ferrule, "Acme" double shank | Per dozen | 14.00 |
| 4 Prong Manure Forks, D handle, strap ferrule, "Acme" double shank | Per dozen | 15.75 |

### Page 614

| | | |
|---|---|---|
| 5 Prong Manure Forks, long handle, plain ferrule | Per dozen | $18.00 |
| 5 Prong Manure Forks, long handle, strap ferrule | Per dozen | 19.25 |
| 5 Prong Manure Forks, D handle, plain ferrule | Per dozen | 19.00 |
| 5 Prong Manure Forks, D handle, strap ferrule | Per dozen | 20.50 |
| 6 Prong Manure Forks, long handle, plain ferrule | Per dozen | 21.00 |
| 6 Prong Manure Forks, long handle, strap ferrule | Per dozen | 22.50 |
| 6 Prong Manure Forks, D handle, plain ferrule | Per dozen | 22.00 |
| 6 Prong Manure Forks, D handle, strap ferrule | Per dozen | 23.25 |

### Page 615

| | | |
|---|---|---|
| 4 Prong Spading Forks, long handle, plain ferrule | Per dozen | $15.75 |
| 4 Prong Spading Forks, long handle, strap ferrule | Per dozen | 17.50 |
| 4 Prong Spading Forks, D handle, plain ferrule | Per dozen | 17.00 |
| 4 Prong Spading Forks, D handle, strap ferrule | Per dozen | 18.00 |
| 4 Prong Potato Forks, long handle, plain ferrule | Per dozen | 12.75 |
| 4 Prong Potato Forks, D handle, plain ferrule | Per dozen | 14.00 |
| 4 Prong Potato Hooks, solid steel shanks, round tines | Per dozen | 8.50 |
| 4 Prong Potato Hooks, solid steel shanks, diamond backs | Per dozen | 10.00 |
| 4 Prong Manure Drags | Per dozen | 10.50 |
| 5 Prong Manure Drags | Per dozen | 12.50 |

### Page 616

| | | |
|---|---|---|
| Field Hoes, riveted shank | Per dozen | $5.50 |
| Field Hoes, cast steel shank, solid neck | Per dozen | 7.50 |
| Field Hoes, cast steel shank, socket | Per dozen | 9.00 |
| Garden Hoes, cast steel shank, solid neck | Per dozen | 7.00 |
| Ladies' Hoes, cast steel shank, solid neck | Per dozen | 6.50 |
| Turnip Hoes, cast steel shank, solid neck | Per dozen | 8.25 |
| Carrot Hoes, cast steel shank, solid neck | Per dozen | 7.00 |

### Page 617

| | | |
|---|---|---|
| Dutch Hoes, cast steel shank, solid neck | Per dozen | $8.25 |
| Weeding Hoes, 4 tooth, cast steel shank, solid neck | Per dozen | 8.25 |
| Turf Edgers, cast steel shank, solid neck | Per dozen | 13.50 |
| Weed Cutters, cast steel shank, solid neck | Per dozen | 5.00 |
| Mortar Hoes, cast steel shank, solid neck | Per dozen | 12.50 |
| Mortar Hoes, cast steel shank, solid neck (with holes) | Per dozen | 13.50 |

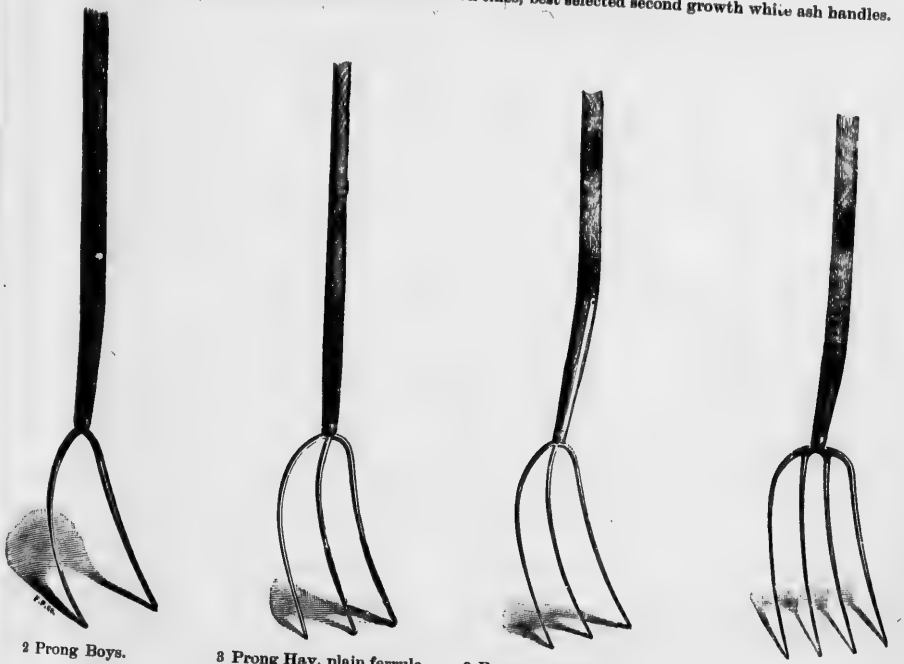
### Page 618

| | | |
|---|---|---|
| Malleable Iron Garden Rakes, 10 tooth | Per dozen | $5.50 |
| Malleable Iron Garden Rakes, 12 tooth | Per dozen | 6.00 |
| Malleable Iron Garden Rakes, 14 tooth | Per dozen | 6.50 |
| Malleable Iron Garden Rakes, assorted 10, 12 & 14 tooth | Per dozen | 6.00 |
| Malleable Iron Garden Rakes, 12 tooth (patent brace heads) | Per dozen | 7.00 |
| Cast Steel Garden Rakes, solid steel shank, 10 tooth (patent brace heads) | Per dozen | 8.75 |
| Cast Steel Garden Rakes, solid steel shank, 12 tooth (patent brace heads) | Per dozen | 9.75 |
| Cast Steel Garden Rakes, solid steel shank, 14 tooth (patent brace heads) | Per dozen | 10.75 |
| Cast Steel Garden Rakes, solid steel shank, 16 tooth (patent brace heads) | Per dozen | 12.00 |
| Cast Steel Garden Rakes, solid steel shank, assorted 10, 12 and 14 tooth (patent brace heads) | Per dozen | 9.75 |
| Garden Tools, cast steel (Spade, Hoe and Rake) | Per set | 2.50 |

## HAY FORKS

TOLEDO FORK MILLS CO.

Made of best crucible cast steel, capped ferrules, balloon tines, best selected second growth white ash handles.



2 Prong Boys. 3 Prong Hay, plain ferrule. 3 Prong Hay, strap ferrule. 4 Prong Hay.

| | |
|---|---|
| 2 Prong Boys, plain ferrule, straight handle | Per dozen $5.30 |
| 2 Prong Hay, plain ferrule, straight handle | Per dozen 6.25 |
| 2 Prong Hay, plain ferrule, bent handle | Per dozen 6.75 |
| 2 Prong Hay, plain ferrule, bent handle, 14 inch tine | Per dozen 7.75 |
| 2 Prong Hay, strap ferrule, straight handle | Per dozen 7.50 |
| 2 Prong Hay, strap ferrule, bent handle | Per dozen 8.00 |
| 3 Prong Hay, plain ferrule, straight handle | Per dozen $7.50 |
| 3 Prong Hay, plain ferrule, bent handle | Per dozen 8.00 |
| 3 Prong Hay, plain ferrule, bent handle, 14 inch tine | Per dozen 9.00 |
| 3 Prong Hay, strap ferrule, straight handle | Per dozen $8.75 |
| 3 Prong Hay, strap ferrule, bent handle | Per dozen 9.25 |
| 4 Prong Hay, plain ferrule, bent handle, 12 inch tine | Per dozen $11.00 |

Standard length of tines, 12 inches.

Length of handles per list assorted to 5 1-2 feet.

Extras, all 5 1-2 feet, 25c. per dozen, 5 1-2 to 6 feet 50c., all 6 feet 75c.

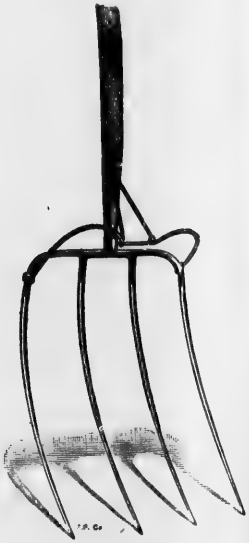
## STRAW AND BARLEY FORKS

TOLEDO FORK MILLS CO.

Balloon Tines. Capped Ferrules.

3 Prong Straw or Barley.

4 Prong Straw or Barley.



4 Prong Barley.

| | |
|---|---|
| 3 Prong, Straw, plain ferrule, straight handle, 14 inch tine | Per dozen $ 9.25 |
| 3 Prong, Barley, plain ferrule, bent handle, 16 inch tine | Per dozen 10.75 |
| 4 Prong, Straw, plain ferrule, bent handle, 16 inch tine | Per dozen $14.00 |
| 4 Prong, Barley, plain ferrule, bent handle, 20 inch tine | Per dozen 16.75 |
| 4 Prong, Barley, plain ferrule, bent handle, 20 inch tine, with movable backs | Per dozen $18.75 |

## MANURE FORKS

TOLEDO FORK MILLS CO.

Balloon Tines. Capped Ferrules.

Acme Double Shank.

4 Prong Manure, long handle, plain ferrule ..... Per dozen $10.75
4 Prong Manure, long handle, strap ferrule ..... Per dozen 11.75
4 Prong Manure, D handle, plain ferrule ..... Per dozen $11.50
4 Prong Manure, D handle, strap ferrule ..... Per dozen 12.75

### Acme Double Shank

4 Prong Manure, long handle, plain ferrule, "Acme" double shank ..... Per dozen $11.50
4 Prong Manure, long handle, strap ferrule, "Acme" double shank ..... Per dozen 13.00
4 Prong Manure, D handle, plain ferrule, "Acme" double shank ..... Per dozen 12.50
4 Prong Manure, D handle, strap ferrule, "Acme" double shank ..... Per dozen 14.00

## MANURE FORKS

TOLEDO FORK MILLS CO.

Balloon Tines. Capped Ferrules.

5 Prong Manure.

5 Prong Manure, long handle, plain ferrule.....Per dozen $16.00
5 Prong Manure, long handle, strap ferrule.....Per dozen 17.25

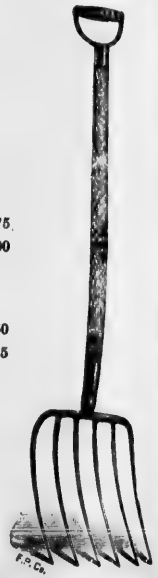
5 Prong Manure, D handle, plain ferrule.....Per dozen $17.00
5 Prong Manure, D handle, strap ferrule.....Per dozen 18.25

5 Prong Manure, D Handle.

6 Prong Manure.

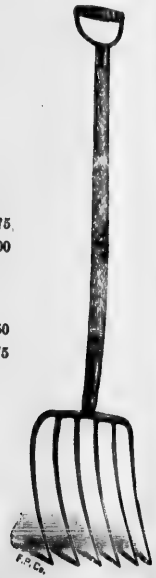
6 Prong Manure, long handle, plain ferrule.....Per dozen $18.75
6 Prong Manure, long handle, strap ferrule.....Per dozen 20.00

6 Prong Manure, D handle, plain ferrule.....Per dozen $19.50
6 Prong Manure, D handle, strap ferrule.....Per dozen 20.75



6 Prong Manure, D Handle.

Prong Manure, D Handle.



Prong Manure, D Handle.

Spading Fork.

## SPADING FORKS

TOLEDO FORK MILLS CO.

Capped Ferrules.

4 Prong Spading, long handle, plain ferrule ..... Per dozen $14.00
4 Prong Spading, long handle, strap ferrule ..... Per dozen 15.50
4 Prong Spading, D handle, plain ferrule ..... Per dozen 15.00
4 Prong Spading, D handle, strap ferrule ..... Per dozen 16.00

## Potato Forks

4 Prong Potato, long handles, plain ferrule ..... Per dozen $11.25
4 Prong Potato, D Handle, plain ferrule ..... Per dozen 12.50

Potato Fork.

## Potato Hooks

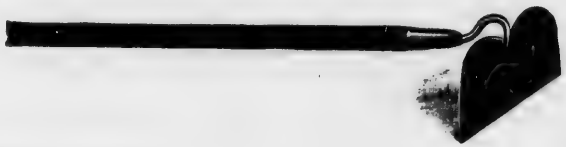
4 Prong Potato Hooks, oval tines ..... Per dozen $9.00
4 Prong Potato Hooks, round tines ..... Per dozen 7.50

## Manure Drags

4 Prong Manure Drags, balloon tines ..... Per dozen $ 9.50
5 Prong Manure Drags, balloon tines ..... Per dozen 11 00

## FIELD HOES

TOLEDO FORK MILLS CO.



Field Hoes, riveted shank, 8 x 5 inches ..... Per dozen $4.00
Field Hoes, cast steel shank, solid neck, 8 x 5 inches ..... Per dozen 6.75

Field Hoes, cast steel shank, socket 8 x 5 inches ..... Per dozen $7.75

### Garden Hoes

Garden Hoes, cast steel shank, solid neck, 6 x 4 1-4 inches ..... Per dozen $6.00
Ladies' Hoes, cast steel shank, solid neck, 4 1-2 x 3 1-4 inches ..... Per dozen 5.50

### Turnip Hoes

Turnip Hoes, cast steel shank, solid neck, assorted blades, 8 to 10 inches ..... Per dozen $7.00

### Carrot Hoes

Carrot Hoes, cast steel shank, solid neck, 4 inch cut, 5 inch deep ..... Per dozen $6.00

## DUTCH HOES

TOLEDO FORK MILLS CO.

Dutch Hoes, cast steel shank, solid neck, 7 x 2 1-2 inches ..... Per dozen $7.00

### Weeding Hoes

Weeding Hoes, 4 tooth, cast steel shank, solid neck, 4 1-2 inch blade ..... Per dozen $7.00

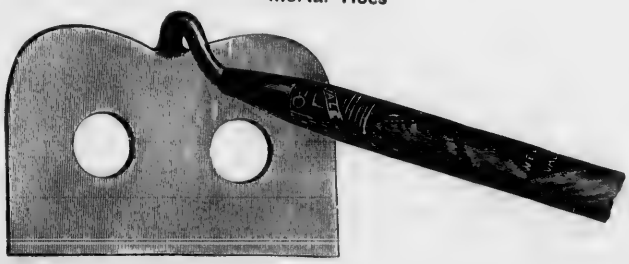
### Turf Edgers

Turf Edgers, cast steel shank, solid neck, 9 x 3 inches ..... Per dozen $12.00

### Weed Cutters

Weed Cutters, cast steel shank, solid neck ..... Per dozen $4.50

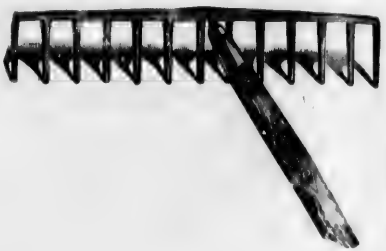
### Mortar Hoes



Mortar Hoes, cast steel shank, solid neck, 9 1-4 x 6 1-2 inches ..... Per dozen $11.00
Mortar Hoes, cast steel shank, solid neck, with holes, 9 1-4 x 6 1-2 inches ..... Per dozen 12.00

## GARDEN RAKES

TOLEDO FORK MILLS CO.



**Malleable Iron**

**Patent Brace Heads.**

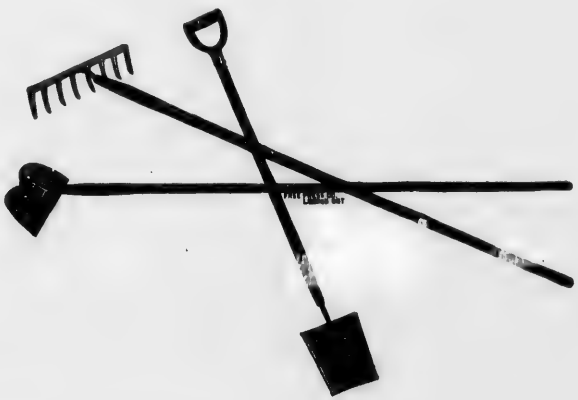
| Number of Teeth | 10 | 12 | 14 | Assorted | 10 .. 12 / 14 |
|---|---|---|---|---|---|
| Per dozen | $5.00 | 5.50 | 6.00 | | 5.50 |

**Cast Steel**

**Cast Steel Shank. Solid Neck.**

| Number of Teeth | 10 | 12 | 14 | 16 |
|---|---|---|---|---|
| Per dozen | $8.25 | 9.25 | 10.25 | 16.75 |

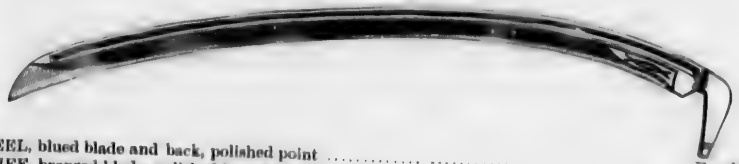
## Garden Tools



Cast Steel Garden Tools (spade, hoe and rake) ..... Per set $2.30

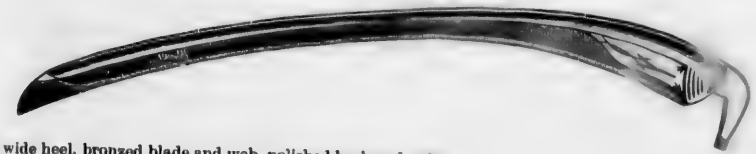
## GRASS SCYTHES

TOLEDO FORK MILLS CO.



CAST STEEL, blued blade and back, polished point ..... Per dozen $11.00
OHIO CHIEF, bronzed blade, polished back and point, blued web ..... Per dozen 12.00
CLIMAX, polished blade back and point, bronzed web ..... Per dozen 14.50
TOLEDO BLADE, polished blade back and point, bronzed web ..... Per dozen 16.00

One dozen in a box.

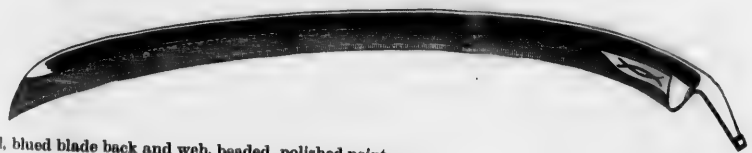


ROYAL, wide heel, bronzed blade and web, polished back and point, ..... Per dozen $13.00
CLIPPER, wide heel, polished blade back and point, bronzed web ..... Per dozen 14.50

One dozen in a box.

SORBY'S Lawn Scythes, polished blade, blued, riveted back ..... Per dozen 19.00

### Grain Scythes



Cast steel, blued blade back and web, beaded, polished point ..... Per dozen $16.0

### Bush Scythes

Cast steel, painted blade and back, beaded, polished point ..... Per dozen $13.00

## GRASS HOOKS

| | |
|---|---|
| Fox's Reaping Hooks No. 2 | Per dozen $4.65 |
| Fox's Reaping Hooks No. 3 | Per dozen 5.25 |
| Fox's Reaping Hooks No. 4 | Per dozen 5.80 |
| Fox's Reaping Hooks No. 5 | Per dozen 7.40 |
| Canadian Reaping Hooks, small | Per dozen 3.75 |
| Canadian Reaping Hooks, medium | Per dozen 4.25 |
| Canadian Reaping Hooks, large | Per dozen 4.50 |
| Sickles | Per dozen 4.65 |

## Corn Knives

Corn Knives, cast steel ..... Per dozen $3.40

## Brush Hooks

| | |
|---|---|
| Brush Hooks, handled, ordinary pattern | Per dozen $12.75 |
| Brush Hooks, handled (extra heavy), British Columbia pattern | Per dozen 15.00 |

## Farmers' Bill Hooks

| | | |
|---|---|---|
| No. **967** | 2 | 3 |
| Length from heel to point, inch | 8 1-2 | 9 |
| Per dozen | $15.00 | 16.50 |

## Weed Hooks

No. **925**—Square points, cast steel ..... Per dozen $3.30

## HAY KNIVES

### Lightning

Cast Steel Lightning Hay Knives ..... Per dozen $18.00
Brook's Cast Steel Hay Knives. ..... Per dozen 18 50

### Heath's Patent

Heath's Patent Hay Knives..... Per dozen $21.00

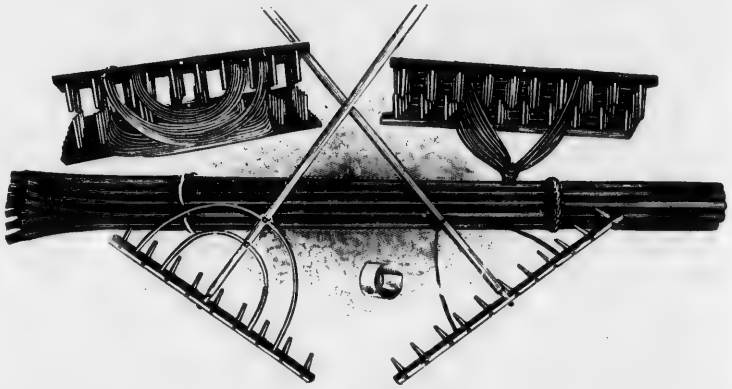
### Spear Point

L Handle Cast Steel Hay Knives, spear point ..... Per dozen $18.00
T Handle Cast Steel Hay Knives, spear point ..... Per dozen 18.00

## CORN HOOKS

Corn Hooks, cast steel blades, strapped ..... Per dozen $3.25
Brook's, cast steel blades ..... Per dozen 5.00

## BUSCHLEN'S PATENT HAY RAKES



Save freight, warehouse room and liability to breakage in shipment. Can be mounted by anyone without previous experience.

The **Wood Bow Rake** has narrow slots made in handle into which bows are set. Rake is mounted by simply putting the end of handle into head and nailing on the clips.

In **Wire Bow Rake** bow is secured to handle by staples.

Clips, nails and staples sent with each bundle.

| | |
|---|---|
| Wood Bow, straight | Per dozen $1.20 |
| Wire Bow, straight | Per dozen 1.25 |
| Wood Bow, bent | Per dozen 1.35 |
| Wire Bow, bent | Per dozen 1.40 |

## Hand Hay Rakes

| | |
|---|---|
| No. 1—Straight Hay Rakes, wood bow | Per dozen $1.30 |
| No. 1—Straight Hay Rakes, wire bow | Per dozen 1.25 |
| No. 1—Bent Hay Rakes, wood bow | Per dozen 1.35 |
| No. 1—Bent Hay Rakes, wire bow | Per dozen 1.40 |
| Extra Bent Hay Rakes, oiled head, wood bow | Per dozen 1.75 |
| Extra Bent Hay Rakes, oiled head, wire bow | Per dozen 1.80 |

## STRAW-CUTTER KNIVES

RICHMOND AND CHANDLER'S PATTERN.

| Nos. | 0 | 3 | 4 | 5 |
|---|---|---|---|---|
| Each | $1.75 | 1.90 | 2.25 | 2.80 |

Knives of any pattern supplied to order.

## Scythe Snaths

Cockburn's Patent Scythe Snaths, revolving socket ..... Per dozen $9.50

No. **00**—Patent Swing Socket ..... Per dozen $9.50

No. **102**—Loop and Slide Socket ..... Per dozen $9.00

No. **150**—Loop and Solid Plate ..... Per dozen $8.00

No. **Z**—Drive Ring and Slide Socket ..... Per dozen $8.00

No. **2**—Drive Ring and Socket ..... Per dozen $7.00

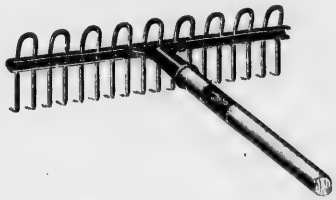
No. **3**—Drive Ring ..... Per dozen $6.00

Double Ring Bush ..... Per dozen $9.00

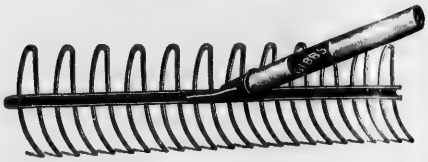
Half dozen in a bundle.

## LAWN RAKES

**The "Boss"**
Heavily tinned. Reversible.



**The "Crescent"**
Heavily tinned. Reversible.



The "BOSS" all steel, full tinned, 12 1-2 inch head, 14 teeth ..... Per dozen $6.75
Can be used as a lawn rake, around stables, and on gravel walks.

The "CRESCENT" all steel, full tinned, 21 inch head, 24 teeth. ..... Per dozen 9.00

## Vegetable Scoops

Vegetable Scoops, cast steel, D handle, 10 tine, 16 x 12 1-2 inches ..... Per dozen $22.00

## Coal or Coke Forks

Coal or Coke Forks, cast steel, 14 tines ..... Each $4.25

## GRAIN CRADLES

With and Without Scythes.

Improved Mulley.

### Improved Mulley

Wood Braces.

Without scythes.....Per dozen $16.00
Complete with scythes.....Per dozen 30.00

With iron braces, add $2.00 per dozen.

Half Mulley.

### Half Mulley

Wood Braces.

Without scythes.....Per dozen $16.00
Complete with scythes.....Per dozen 30.00

With iron braces, add $2.00 per dozen.

Morgan.

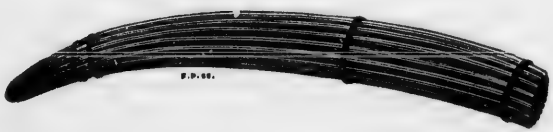
### Morgan

Wood Braces.

Without scythes.....Per dozen $16.00
Complete with scythes.....Per dozen 30.00

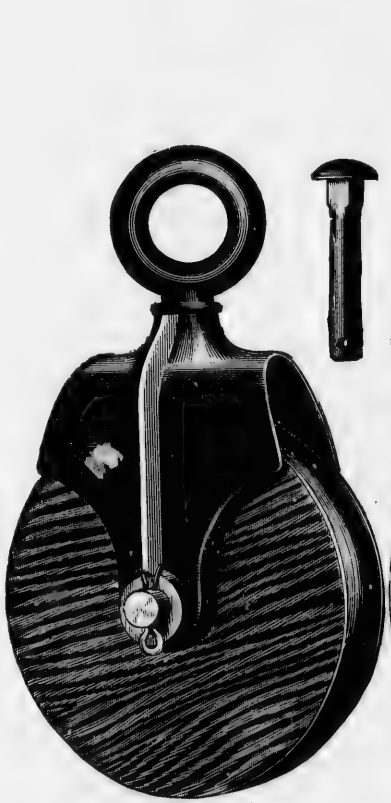
With iron braces, add $2.00 per dozen.

### Cradle Fingers

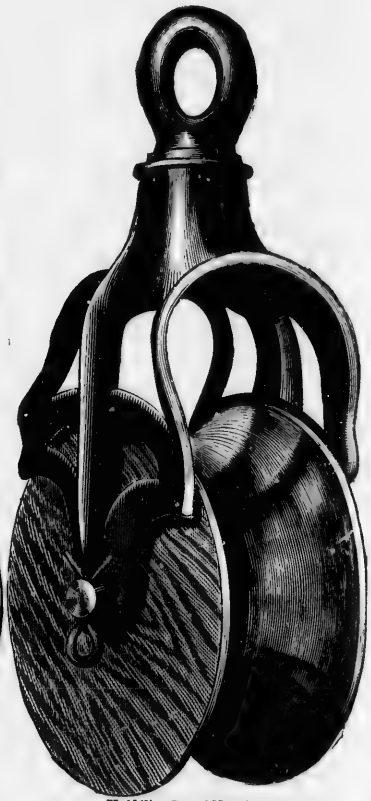


Cradle Fingers, dressed.....Per dozen $1.50

## HAY FORK PULLEYS.



Half Size Cut of No. 108.



Half Size Cut of No. 107.

No. **108.** 6 Inch Maple Sheave, for 1 Inch Rope or Smaller.....Per Dozen, $3.75

No. **107.** Knot passing, 5 In. Maple Sheave, Heavy Malleable Iron Frame..Per Dozen, 3.75

PACKED AS WANTED.

## HAY FORK PULLEYS.

### Wood Frame, Hay Fork Pulleys.

No. **111**—5 Inch, Maple Sheave, Swivel Hook ..... Per Dozen, $4.50
Hartz, Steel, Style as No. 111 with Swivel Ring ..... Per Dozen, 4.50

(Cut shows Pulley, with Ring )

### Wrought Iron Floor Hooks.

**3-4** Inch..... Per Dozen, $1.00

PACKED AS WANTED.

## HAY FORK PULLEYS

STEARN'S NEW PATTERN.

For one inch rope, Japanned.

No. **1**—Solid Eye, japanned..... Per dozen $3.00
No. **11**—Swivel Eye, japanned..... Per dozen 3.25

B. S. & M. For 1 1-4 inch rope.

No. **10**—Solid Eye, japanned..... Per dozen $3.85
No. **10**—Swivel Eye, japanned..... Per dozen 4.25

Full barrels contain about 8 dozen.

## Well Wheels

Cast Iron, Japanned.

| Inch | 10 | 12 |
|---|---|---|
| Per dozen | $6.00 | 7.25 |

## SCYTHE STONES

Canada Red End, soft, coarse grit.....Per gross $5.00

One-quarter gross in a box.

Bay Chaleur, medium grit .....Per gross $6.00

One-quarter gross in a box.

No. 1—Genuine Indian Pond, red end.....Per gross $7.00

One-quarter gross in a box.

Round English pattern, coarse grit.....Per 100 $15.00

25 in a box.

### Emery—Mower and Scythe Sharpener Combined

Emery Scythe Sharpener, wire strengthened.....Per gross $21.33

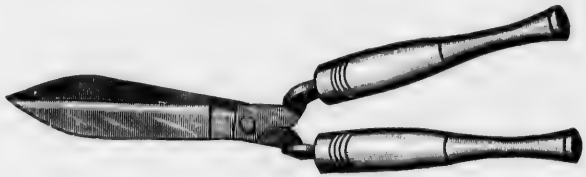
One-quarter gross in a box.

### Emery—"Mower's Friend."

Emery, "Mower's Friend," wire strengthened.....Per gross $24.00

One-quarter gross in a box.

## GARDEN SHEARS



**No. 100—Plain Blades, Hardwood Handles**

| | | |
|---|---|---|
| Inch | 7 1-2 | 9 |
| Per pair | $1.15 | 1.45 |

**No. 101—Notched Blades, Hardwood Handles**

| | | |
|---|---|---|
| Inch | 7 1-2 | 9 |
| Per pair | $1.30 | 1.60 |

No. **106**—Long Handle, 9 inch blade ..... Per pair $2.25
No. **105**—Long Handle, 9 inch blade, with wheel ..... Per pair 2.50

## Border Shears

Long Handle, 8 1-2 inch blade ..... Per pair $2.00
Long Handle, 8 1-2 inch blade, with wheel ..... Per pair 2.50

## The Pennsylvania Lawn Mower

The cylinder blades are driven by using either ordinary wheel singly or both wheels, hence the machines are specially adapted for cutting terraces, steep embankments, borders of flower beds, and around trees and shrubs.

| | | | |
|---|---|---|---|
| Inch cut | 14 | 16 | 18 |
| 8 inch wheels, open cylinder, 4 cast steel knives ..... Each | $17.00 | 19.00 | 21.00 |

High wheels, large cylinder, wheels 10 1-2 inch, open cylinder, 6 1-2 inch, 4 cast steel knives for cutting high grass 6 to 10 inch, leaving the grass one inch with but one cutting, 17 inch cut ..... Each $38.00

Pony or horse-power mowers to order.

## LAWN MOWERS

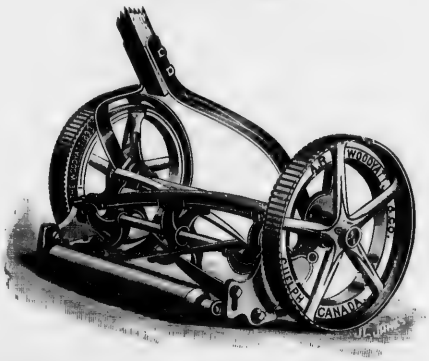
### Improved Philadelphia, 1894

Flat Wheel and Gear Incased. 7 1-2 Inch Wheel.

| Inch | 10 | 12 | 14 | 16 | 18 |
|---|---|---|---|---|---|
| Each | $4.50 | 4.90 | 5.10 | 5.50 | 5.65 |
| Approximate shipping weight, lbs | 30 | 36 | 37 | 39 | 42 |

### Woodyatt's High Wheel

Improved for 1896.




Open Cheeks. Incased Gears. 10 1-2 Inch High Open Wheel.

| Inch | 12 | 14 | 16 | 18 | 20 |
|---|---|---|---|---|---|
| Each | $6.75 | 7.00 | 7.50 | 8.25 | 10.00 |
| Approximate shipping weight, lbs | 50 | 52 | 54 | 57 | 60 |

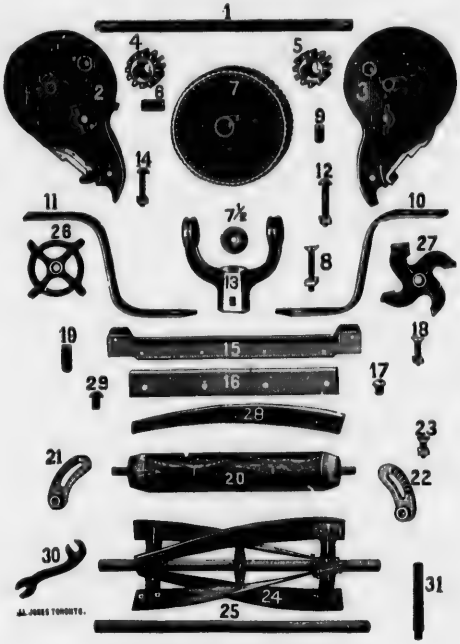
Can supply grass boxes for Woodyatt Mower if required.

One mower in a crate.

Pony or horse power machines supplied to order.

## LIST OF PARTS

## FOR THE PHILADELPHIA LAWN MOWER FOR 1894




| | |
|---|---|
| 1—Cross Bar | $0.35 |
| 2—Left Side Plate | 1.00 |
| 3—Right Side Plate | 1.00 |
| 4—Pinion, left hand | .25 |
| 5—Pinion, right hand | .25 |
| 6—Pawl | .10 |
| 7—Drive Wheel, left hand | .75 |
| 7—Drive Wheel, right hand | .75 |
| 7½—Wheel Washer | .05 |
| 8—Bolt for Wheel | .05 |
| 9—Half Box Screw | .05 |
| 10—Handle Brace, left hand | .30 |
| 11—Handle Brace, right hand | .30 |
| 12—Bolt for Handle Brace | .05 |
| 13—Handle Bracket | .40 |
| 14—Handle Bracket Bolts | .05 |
| 15—Lower Knife Plate | .40 |
| 16—Lower Knife | .40 |

| | |
|---|---|
| 17—Lower Knife Cap Screw | $0.05 |
| 18—Lower Knife Bolt | .03 |
| 19 Lower Knife Set Screw | .03 |
| 20—Wood Roller | .25 |
| 21—Roller Box, left hand | .10 |
| 22—Roller Box, right hand | .10 |
| 23—Roller Box Bolt | .03 |

24—Cylinder

| 10 in. | 12 in. | 14 in. | 16 in. | 18 in. |
|---|---|---|---|---|
| $2.00 | 2.50 | 2.50 | 2.50 | 3.00 |

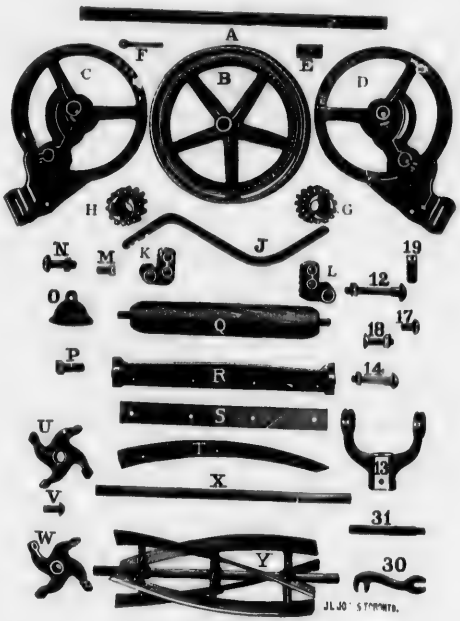
| | |
|---|---|
| 25—Cylinder Shaft | .35 |
| 26—Cylinder Centre | .25 |
| 27—Cylinder Wing | .25 |

28—Cylinder Knives

| 10 in. | 12 in. | 14 in. | 16 in. | 18 in. |
|---|---|---|---|---|
| $0.35 | .85 | .50 | .60 | .50 |

| | |
|---|---|
| 29—Cylinder Rivets, per dozen | .10 |
| 30—Wrench | .05 |
| 31—Handle for Sharpening Mower | .05 |
| 32—Wood Handle, complete (no cut) | .75 |

## LIST OF
## LAWN MOWER PARTS FOR THE WOODYATT, 1898




| | | | | | |
|---|---|---|---|---|---|
| A—Cross Bar | $0.40 | | | | |
| B—Drive Wheel, right | .80 | | | | |
| B—Drive Wheel, left | .80 | | | | |
| C—Left Side Plate | 1.00 | | | | |
| D—Right Side Plate | 1.00 | | | | |
| E—Pawl | .10 | | | | |
| F—Cotter Pin for Wheel | .05 | | | | |
| G—Pinion, left hand | .25 | | | | |
| H—Pinion, right hand | .25 | | | | |
| J—Handle Brace | .30 | | | | |
| K—Left Hand Roller Bracket | .10 | | | | |
| L—Right Hand Roller Bracket | .10 | | | | |
| M—Pinion Cover Screw | .05 | | | | |
| N—Journal Bolt | .05 | | | | |
| O—Pinion Cover | .10 | | | | |
| P—Knife Back Bolt | .10 | | | | |
| Q—Wood Roller | .25 | | | | |
| R—Lower Knife Back | 12 in. 35c. | 14 in. 40c. | 16 in. 45c. | 18 in. 50c. | 20 in. 55c. |
| S—Lower Knife | 12 in. 35c. | 14 in. 40c. | 16 in. 45c. | 18 in. 50c. | 20 in. 55c. |
| T—Cylinder Knife | 12 in. 45c. | 14 in. 50c. | 16 in. 55c. | 18 in. 60c. | 20 in. 65c. |
| U—Cylinder Centre | .25 | | | | |
| V—Cylinder Rivets, per doz | .25 | | | | |
| W—Cylinder End | .25 | | | | |
| X—Cylinder Shaft | .40 | | | | |
| Y—Cylinder | 12 in. $2.00 | 14 in. 2.25 | 16 in. 2.50 | 18 in. 3.00 | 20 in. 3.25 |
| 12—Handle Brace Bolt | .05 | | | | |
| 13—Malleable Handle Bracket | .40 | | | | |
| 14—Bolt for Handle Bracket | .05 | | | | |
| 17—Cap Screw for Knife Back | .05 | | | | |
| 18—Roller Bracket Bolt | .05 | | | | |
| 19—Knife Back Set Screw | .05 | | | | |
| 30—Wrench | .05 | | | | |
| 31—Handle for Sharpening Mower | .05 | | | | |
| 32—Wood Handle, complete (no cut) | .75 | | | | |

## THE BIEDER ADJUSTABLE GRASS CATCHER

Patented July 27th, 1892.

The Bieder Grass Catcher is adjustable and will fit all sizes and makes of mowers. The mode of attaching the Catcher to handle braces of mower makes it adjustable in height, whereby it will fit mowers of different size wheels and various shapes of handle braces.

It is made deep to prevent grass from flying over sides or rear.

The forward ends of the frame are enclosed in a metal tube, which prevents canvas from wearing and thus adds to the serviceability of the catcher.

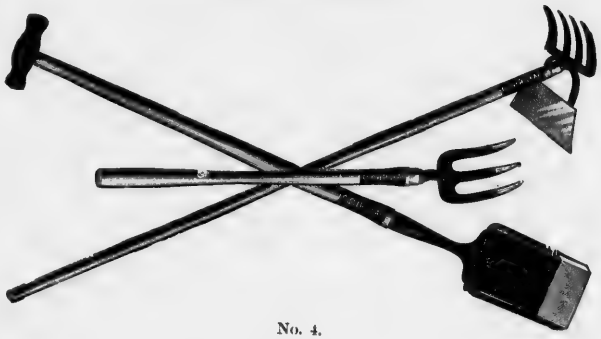
Per dozen.....$12.00

## Strawberry Forks

No. 1—Strawberry Forks.....Per dozen $1.80

## GARDEN SETS

**Clover Leaf. Three Pieces**



No. 4.

**No. 3—Ash Handles**

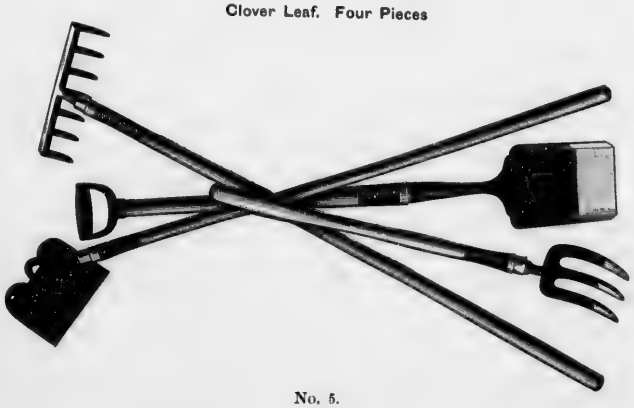
Spade, polished steel blade, 5 5-8 x 4 inches, 22 inch handle
Hoe, polished steel blade, 30 inch handle
Rake, malleable iron, 5 tooth, 30 inch handle
} Per dozen sets $6.25

**No. 4—Ash Handles, 30 Inches Long**

Polished Spade, 5 5-8 x 4 inch, Hoe and Rake in one piece, three tined fork ..... Per dozen sets $9.50

## Garden Sets

**Clover Leaf. Four Pieces**

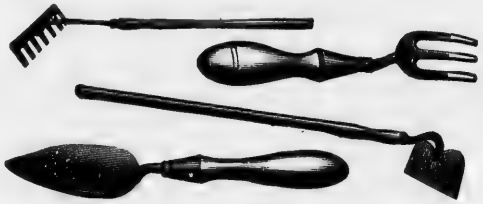


No. 5.

**Selected White Ash Handles. Belted and Varnished**

Spade, polished steel blade, 6 1-4 x 5 inches, 22 inch handle, with malleable iron D enamelled bar
Hoe, polished steel blade, 30 inch handle
Rake, malleable iron, 7 tooth, polished 30 inch handle
Fork, Malleable iron, half polished, 18 inch handle
} Per dozen sets $18.00

## FLORAL SETS



No. 44—4 pieces, polished steel Hoe and Trowel, malleable iron Rake and Weeding Fork.....Per dozen sets $7.50

One set in a package.

## Garden Trowels

6 inch tinned steel blade.....Per dozen $1.25

Extra heavy steel.

6 inch, extra heavy, black, steel blade.....Per dozen $1.35
7 inch, extra heavy, black, steel blade.....Per dozen 1.80

## Secor's Excelsior Weeding Hooks

Tinned.....Per dozen $1.20

One dozen in a box.

## SHEEP SHEARS

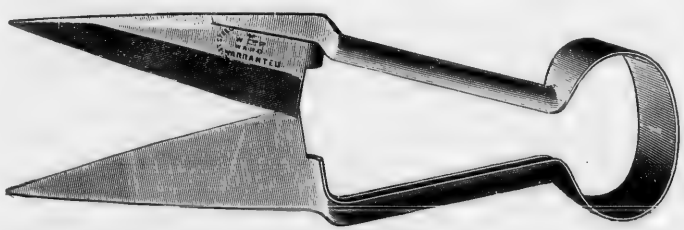
WARD & PAYNE'S SOLID STEEL.

No. **1**—5 inch blade, half polished, bent ..... Per dozen $6.25
No. **3**—6 inch blade, half polished, straight ..... Per dozen 6.50
No. **3**—6 inch blade, half polished, bent ..... Per dozen 7.25

GERMAN.

No. **1501**—6 inch blade, half polished, bent ..... Per dozen 3.75

No. **26**—5 inch blade, full polished, straight ..... Per dozen $ 9.00
No. **26**—6 inch blade, full polished, bent, etched on blade "Royal Canadian" ..... Per dozen 10.00
No. **26**—6 1-2 inch blade, full polished, bent, etched on blade "Royal Canadian" ..... Per dozen 10.50
No. **100**—7 inch blade, full polished, straight, etched on blade "Ontario Clipper" ..... Per dozen 10.25




No. **3**—Trowel, 6 inch blade, half polished ..... Per dozen $12.50

Half dozen in a package.

## SHEEP SHEARS

WARD AND PAYNE'S SOLID STEEL.

No. **38 N**—6 inch blade, polished, double spring, with strap ..... Per dozen $13.50

WITHOUT STRAP

No. **200**—6 1-2 inch blade, polished, double spring ..... Per dozen 10.75

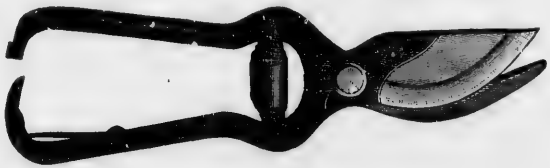
Half dozen in a package.

## Tree Pruners

Buckeye Pruning Shears, small ..... Per dozen $15.00
Buckeye Pruning Shears, large ..... Per dozen 22.50

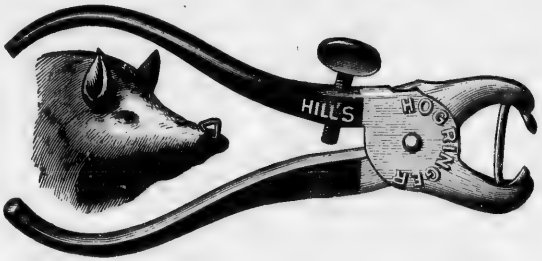
Waters Pattern, 6, 8 and 10 feet handles ..... Per dozen $12.00
Extra knives, cast steel ..... Per dozen 3.00

## Pruning Shears or Sheep Toe Clippers



| | | | |
|---|---|---|---|
| No. **31069**—Helical springs ..... Inches | **8** | **8 1-2** |
| Per dozen ..... | **$5.25** | 5.50 |
| Extra springs ..... Each | **0.12** | .12 |
| No. **1**—American, brass spiral spring ..... Per dozen | **$5.00** | |

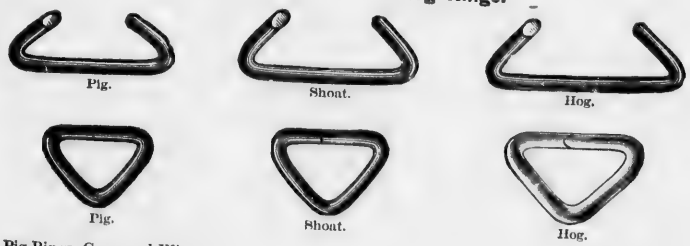
## HILL'S IMPROVED HOG RINGERS.




For all Sizes of Hill's Rings.....Per Dozen, $1.25

HALF DOZEN IN A BOX.

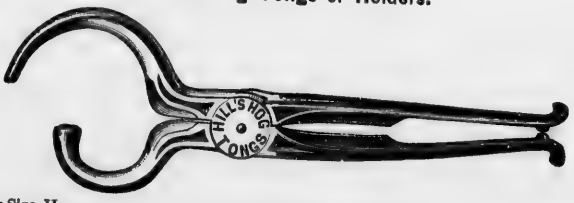
## Hill's Pig, Shoat and Hog Rings.




Pig Rings, Coppered Wire.....Per 1000, $0.70
Shoat Rings, Coppered Wire.....Per 1000, .70
Hog Rings, Coppered Wire.....Per 1000, .70

ONE HUNDRED RINGS IN A BOX; ONE DOZEN BOXES IN A PACKAGE.

## Hill's Hog Tongs or Holders.




For any Size Hog.....Per Dozen, $6.00

HALF DOZEN IN A BOX.

## SPRAY PUMPS

**Latest Improved Patterns of Spray Pumps and Garden Syringes always carried in stock.**

Little Giant.

Extra Nozzle.

Bordeaux Spray throws a solid stream or a fine shaped spray.

Myers' Little Giant Spray Pumps, brass ..... Each $4.00

This pump is made so as to discharge a fine jet in the bottom of the bucket, which keeps the solution thoroughly agitated. A feature very necessary to a spray pump.

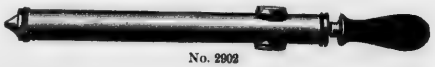
Bordeaux Nozzle ..... Each $1.00

### Garden Syringes

**For Gardens and Small Orchards**

No. 2900

**No. 2900**—Brass Garden Syringe, 1 1-2 x 18 inches ..... Each $0.80



No. 2902

**No. 2902**—Brass Garden Syringe, 1 1-2 x 18 inches, double rose ..... Each $1.65

Style of Nos. 2901, 9507, 2903.

**No. 2901**—Brass Garden Syringe, 1 1-4 x 14 inches ..... Each $0.80
**No. 9507**—Brass Garden Syringe, 1 1-2 x 18 inches ..... Each .95
**No. 2903**—Brass Garden Syringe, heavy, 1 1-2 x 18 inches ..... Each 1.65

We do not illustrate full line of Pumps, but can supply all classes of Cistern, Well and Force Pumps. Illustrated Catalogue of Pumps sent on application.

## CISTERN PUMPS

| Nos | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Diameter of Cylinder | 2 1-2 | 3 | 3 1-2 | 4 |
| Size suction, inch | 1 | 1 1-4 | 1 1-4 | 1 1-2 |
| Each | $4.25 | 4.75 | 5.25 | 5.75 |

## Anti-Freezing Well and Force Pumps

Pump Cylinders.

Fig. 212.

Fig. 554.

Fig. 424.

Drive Well Points.

### Well Pumps.

| Fig. | No. | Dia. Cyl., Inch. | Suction, Inch. | Stroke, Inch. | Gal. per Stroke. | *Lift, Feet. | †Height, Inch. | Approx. Weight. | Each. |
|---|---|---|---|---|---|---|---|---|---|
| 212 | 4 | 3 | 1 1-4 | 6 | 1-6 | 30 | 39 | 56 lbs. | $5.50 |
| 554 | 4 | 3 | 1 1-4 | 6 | 1-6 | 40 | 45 | 81 lbs. | 7.50 |

* Depth of wells to which Pumps may be adapted by lowering cylinders to within 15 or 20 feet of water. † Height from pump base to upper guide.

### Well Force Pumps.

| Fig. | No. | Dia. Cyl., Inch. | Suction, Inch. | Stroke, Inch. | Gal. per Stroke. | *Lift and Force, Feet. | †Height, Inch. | Approx. Weight. | Each. |
|---|---|---|---|---|---|---|---|---|---|
| 424 | 4 | 3 | 1 1-4 | 6 | 1-6 | 60 | 47 | 94 lbs. | $10.50 |

* Depth of wells to which pumps may be adapted by lowering cylinders to within 15 or 20 feet of water or total lift and force from supply to point of delivery. † Height from pump base to lever top.

### Pump Cylinders

| Inch | 3 x 12 | 3 1-2 x 12 | 4 x 14 |
|---|---|---|---|
| Each | $7.00 | 8.00 | 11.00 |
| | 14 | 14 | 16 |
| | 7.50 | 8.50 | 9.00 | 12.00 |

### Drive Well Points

1 1-4 x 20 inch, 60 mesh gauze ..... Each $2.00

## STEEL SINKS

### Peerless

**Painted**

| Size | 16 x 24 | 18 x 30 | 18 x 36 |
|---|---|---|---|
| Each | $1.35 | 1.60 | 2.40 |

**Galvanized**

| Size | 18 x 30 |
|---|---|
| Each | $2.25 |

## Lead Pipe

MADE FROM BEST QUALITY PIG LEAD.

All sizes ..... Per pound, $0.07

WEIGHTS PER YARD IN POUNDS AND AVERAGE LENGTHS.

| CALIBRE | WEIGHT PER YARD | AVERAGE LENGTHS | CALIBRE | WEIGHT PER YARD | AVERAGE LENGTHS |
|---|---|---|---|---|---|
| | LBS. | YARDS | | LBS. | YDS. |
| 1-4 Inch, strong | 2 | 75 | 1 1-4 Inch, medium | 10 | 16 |
| 3-8 Inch, light | 2 1-2 | 60 | 1 1-4 Inch, strong | 12 | 14 |
| 3-8 Inch, strong | 3 | 50 | 1 1 4 Inch, extra strong | 14 | 12 |
| 1-2 Inch, extra light | 2 1-2 and 3 1-2 | 60 and 48 | 1 1-2 Inch, extra light | 10 | 17 |
| 1-2 Inch, light | 4 | 40 | 1 1-2 Inch, light | 11 | 15 |
| 1-2 Inch, medium | 4 1-2 | 36 | 1 1-2 Inch, medium | 12 | 13 |
| 1-2 Inch, strong | 5 and 6 | 30 and 25 | 1 1-2 Inch, strong | 14 | 11 |
| 1-2 Inch, extra strong | 7 and 8 | 22 and 20 | 1 1 2 Inch, extra strong | 16 and 18 | 17 and 15 |
| 5-8 Inch, extra light | 4 1-2 | 36 | 1 3-4 Inch, light | 14 | 20 |
| 5-8 Inch, light | 5 | 33 | 1 3-4 Inch, medium | 16 | 17 |
| 5-8 Inch, medium | 6 | 28 | 1 3-4 Inch, strong | 18 | 15 |
| 5-8 Inch, strong | 7 | 24 | 1 3-4 Inch, extra strong | 20 | 14 |
| 5-8 Inch, extra strong | 8 and 9 | 21 and 18 | 2 Inch, extra light | 16 | 17 |
| 3-4 Inch, extra light | 5 | 33 | 2 Inch, light | 18 | 15 |
| 3-4 Inch, light | 6 | 28 | 2 Inch, medium | 20 | 14 |
| 3-4 Inch, medium | 7 | 24 | 2 Inch, strong | 22 | 12 |
| 3-4 Inch, strong | 8 | 21 | 2 Inch, extra strong | 24 | 11 |
| 3-4 Inch, extra strong | 9 and 10 | 18 and 16 | 2 1-2 Inch, extra light | 20 | 12 to 14 feet |
| 1 Inch, extra light | 5 | 33 | 2 1-2 Inch, medium | 24 | 12 to 14 feet |
| 1 Inch, light | 6 | 28 | 2 1-2 Inch, strong | 27 | 12 to 14 feet |
| 1 Inch, medium | 7 | 24 | 2 1-2 Inch, extra strong | 30 and 32 | 12 to 14 feet |
| 1 Inch, strong | 8 | 21 | 3 Inch, extra light | 27 | 12 to 14 feet |
| 1 Inch, extra strong | 9 and 10 | 18 and 16 | 3 Inch, medium | 30 | 12 to 14 feet |
| 1 1-4 Inch, extra light | 6 | 28 | 3 Inch, strong | 34 | 12 to 14 feet |
| 1 1-4 Inch, light | 8 | 21 | | | |

### Waste or Soil Pipe

Eight feet length, all sizes ..... Per pound $.....

WEIGHTS PER YARD IN POUNDS.

| Inside diameter, inches | 1 1-4 | 1 1-2 | 2 | 2 1-2 | 3 | 4 |
|---|---|---|---|---|---|---|
| Light | 5 | 5 1-2 | 6 | 8 1-2 | 10 | 13 1-2 |
| Medium | 6 | 7 | 8 1-2 | 13 1-2 | 16 1-2 | 18 |
| Strong | 7 | 8 | 10 1-2 | 16 | 22 1-2 | 24 |
| Extra strong | 8 | 9 | 12 | 23 | | |

### Composition Gas Tubing on Reels

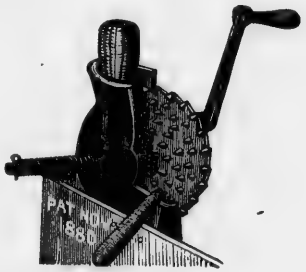
| Size, inches | Weight per Yard | Average Length |
|---|---|---|
| 3-8 | 1 | 75 yards |
| 1-2 | 1 3-4 | 50 yards |
| 5-8 | 2 1-4 | 40 yards |
| 3-4 | 3 | 30 yards |
| 1 | 3 1-2 | 25 yards |

## CORN PLANTERS

"King of the Field" Corn Planters.....Per dozen $12.00

This Planter has flexible iron drop, iron seed box and channel, and operator can always see the seed dropped. Is well made, strong, durable and reliable.

## Wood's Corn Sheller



Wood's Corn Shellers.....Each $3.00

Will shell a bushel of Corn in four minutes.

## Burrall Corn Sheller

Burrall Corn Sheller, all iron.....Each $12.75

Shells large or small ears quick and clean, and throws cobs out separately.

## WOOD MEASURES

INSPECTED.

| | 1-2 Gallon | 1-2 Peck | Peck | 1-2 Bushel | Sets |
|---|---|---|---|---|---|
| Per dozen | $3.00 | 3.25 | 5.50 | 7.00 | 15 50 |

## Iron Measures

INSPECTED.

Japanned.

| | 1-2 Peck | Peck | 1-2 Bushel |
|---|---|---|---|
| Per dozen | $5.00 | 9.00 | 10.50 |

## Feed Pans

Japanned.

Japanned Feed Pans ..... Per dozen $2.75

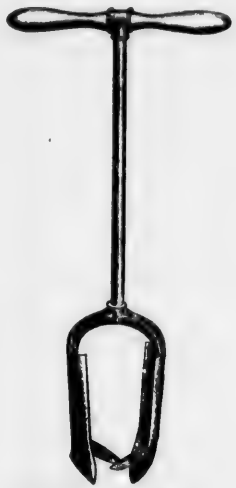
## Liquid Measures

INSPECTED. SOLID BOTTOMS.

Wooden Vinegar Measures, in sets of 1-2 gallon, quart, pint and funnel ..... Per set $2.00
Wooden Vinegar Measures, in sets of quart, pint and funnel ..... Per set 1.35

| | 1-2 Gallon. | Quart. | Pint. | Funnel. |
|---|---|---|---|---|
| Per dozen | $9.25 | 7.75 | 6.25 | 2.25 |

## POST-HOLE AUGERS AND DIGGERS



Iwan's Post-Hole Auger.

Vaughan's Post-Hole Auger.

Eureka Post-Hole Digger.

### Vaughan's Post-Hole Augers

| Inch | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|
| Per dozen | $7.00 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 |

### Iwan's Post-Hole Augers

| Inch | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Each | $2.50 | 2.75 | 2.85 | 3.00 |

### Eureka Post-Hole Diggers

Steel blades, malleable iron heads; length, complete, 5 feet .....Each $1.90

Fig. 1.

### "Samson" Tree Planter and Post-Hole Digger

DIRECTIONS.

Plunge the Digger into the ground, as shown in cut, Fig. 1, and when the soil is loosened pull out the lever with one hand, as shown in cut, Fig. 2, which will press the dirt between the blades; then draw the Digger from the hole, keeping hold of the lever with one hand and the handle with the other. When the Digger is clear of the hole you can deposit the load anywhere within reach by simply pressing down the lever, which will open the blades, and the dirt will fall from between them. The Digger is then ready for another plunge.

Each .....$4.25

Fig. 2.

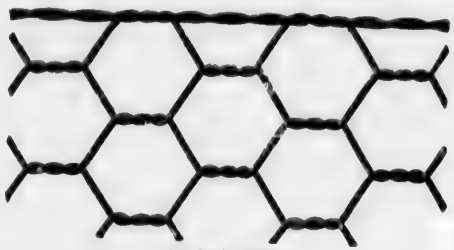
## FENCING WIRE

| | | Feet per Pound. | Price per Pound. |
|---|---|---|---|
| 4 Barbs, 4 inches apart | | 13 1-2 | 8 |
| 4 Barbs, 6 inches apart | | 15 1-4 | |
| 2 Barbs, 3 inches apart | | 14 | |
| 2 Barbs, 5 inches apart | | 15 1-4 | |
| Plain Twist, 2 strand | | 17 3-4 | |
| Plain Twist, 3 strand | | 11 3-4 | |

### Table of Estimated Weights

| | 1 Rod, 16 1-2 Feet. | | 1 Acre, 165 Feet. | | 1 Mile, 5280 Feet. | |
|---|---|---|---|---|---|---|
| | 1 Strand. Ozs. | 2 Strand. Lbs. | 1 Strand. Lbs. | 2 Strand. Lbs. | 1 Strand. Lbs. | 2 Strand. Lbs. |
| 4 Barbs, 4 inches apart | 10 1-2 | 2 7-16 | 12 | 24 | 384 | 768 |
| 4 Barbs, 6 inches apart | 17 1-2 | 2 3-16 | 11 | 22 | 352 | 704 |
| 2 Barbs, 3 inches apart | 19 | 2 3-8 | 11 7-8 | 23 3-4 | 380 | 760 |
| 2 Barbs, 5 inches apart | 17 1-2 | 2 3-16 | 11 | 22 | 352 | 704 |
| Plain Twist, 2 strands | 15 | 1 7-8 | 9 | 18 | 288 | 576 |
| Plain Twist, 3 strands | 22 1-2 | 2 13-16 | 14 | 28 | 448 | 896 |
| Ribbon | 19 1-2 | 2 7-16 | 12 | 24 | 384 | 768 |

## GALVANIZED WIRE NETTING



3-4 Inch Mesh.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mesh, inch | 3-4 | 1 | 1 1-2 | 1 1-2 | 1 1-2 | 1 1-2 | 1 1-2 |
| Width, inch | 36 | 36 | 24 | 30 | 36 | 42 | 48 |
| Gauge of Wire | 20 | 20 | 19 | 19 | 19 | 19 | 19 |
| Per yard | $0.33 | .24 | .12 | .15 | .18 | .21 | .24 |
| Mesh, inch | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Width, inch | 24 | 30 | 36 | 42 | 48 | 60 | 72 |
| Gauge of Wire | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| Per yard | $0.8 1-2 | .11 | .13 | .15 | .17 | .22 | .26 |

### Galvanized Wire Fencing

An excellent fence for farm or garden at very low figure.

3 inch mesh, 48 inch wide, 14 gauge wire.... Per yard $0.40

All above in rolls of 50 yards.

### Apple Drying Cloth

Galvanized Apple Drying Cloth, 1-2 inch mesh, 30 inches wide, 19 gauge wire.. Per yard $0.85
Galvanized Apple Drying Cloth, 1-2 inch mesh, 36 inches wide, 19 gauge wire.. Per yard 1.00

### Mc[illegible]len's Woven Wire Fencing

**List 1. Mesh 5 1-2 x 10 1-2 Inches**

Selvage Three Strands No. 13 Wire. Meshes No. 14 Wire.

| | | | | | | |
|---|---|---|---|---|---|---|
| Width, inch | 25 1-2 | 31 | 36 1-2 | 42 | 47 1-2 | 53 |
| Per rod | $0.54 | .57 | .60 | .63 | .66 | .69 |

**List 2. Mesh 5 1-2 x 10 1-2 Inches. Meshes No. 13 Wire**

| | | | | | | |
|---|---|---|---|---|---|---|
| Width, inch | 25 1-2 | 31 | 36 1-2 | 42 | 47 1-2 | 53 |
| Per rod | $0.60 | .65 | .70 | .75 | .80 | .85 |

**List 3. Mesh 4 x 8 Inches**

Selvage Three Strands No. 13 Wire. Meshes No. 14 Wire.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Width, inch | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 | 54 |
| Per rod | $0.66 | .69 | .72 | .75 | .78 | .81 | .84 | .87 | .90 |

**List 4. Mesh 3 x 8 Inches**

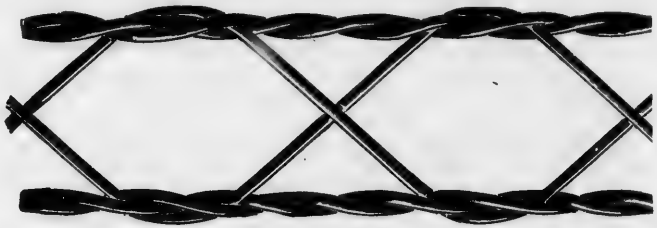
Selvage Three Strands No. 14 Wire. Meshes No. 15 Wire.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Width, inch | 20 | 23 | 26 | 29 | 32 | 35 | 41 | 47 | 59 | 71 | 77 |
| Per rod | $0.80 | .85 | .90 | .95 | .97 | 1.00 | 1.05 | 1.10 | 1.25 | 1.40 | 1.50 |

Full rolls contain twenty rods.

Extra for cutting rolls 5 %.

## TRUSS-CABLE FENCE WIRE



SIZE OF ONE STRAND

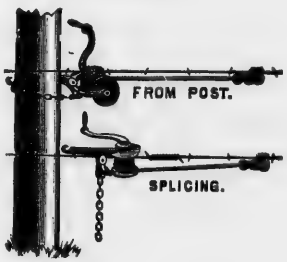
Truss-Cable Fencing ..... Per pound $

Ten feet to a pound.

Its construction is such as to allow for the expansion and contraction of heat and cold without stretching. It has great tensile strength, width and visibility, is safe, ornamental, easy to handle and will not sag.

## Wire Stretchers

"Little Giant"




Little Giant, Jr., with rope attachment ..... Per dozen $12.00
Little Giant, with chain attachment ..... Per dozen 15.00
Big Giant ..... Each 1.65

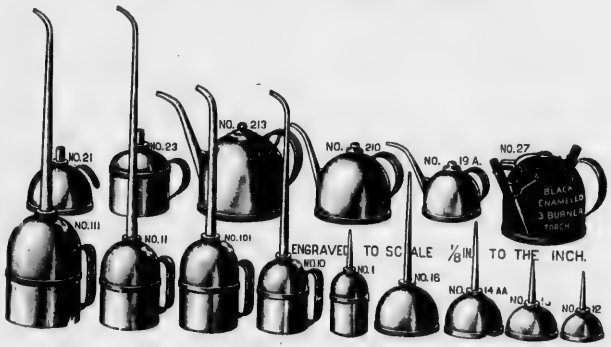
## Hercules Wire Stretcher

Hercules Wire Stretcher ..... Per dozen $2.80

Cheapest serviceable Barb Wire Stretcher made.

## COPPERIZED STEEL OILERS

Made from Cold Rolled No. 20 Gauge "Swedoh" Steel.




### Copperized O.R. "Swedoh" Steel Anti-Rust Oilers

No. **12**—Improved steel spring bottom, 2 3-4 inch diameter, 2 1-2 inch straight nozzle.....Per dozen $4.50
No. **13**—Improved steel spring bottom, 3 3-8 inch diameter, 3 inch straight nozzle.....Per dozen 5.50
No. **14**—Improved steel spring bottom, 3 3-8 inch diameter, 9 inch bent nozzle.....Per dozen 6.50
No. **16**—Improved steel spring bottom, 4 1-8 inch diameter, 9 inch bent nozzle.....Per dozen 10.50

One dozen in a box.

### Railroad or Engineers' Oilers

No. **10**—Engineers' Oiler, 1 pint, 3 3-8 inch diameter, 5 inches high, 12 inch nozzle.....Per dozen $14.00
No. **11**—Engineers' Oiler, 1 quart, 4 1-8 inch diameter, 6 inches high, 18 inch nozzle.....Per dozen 18.00
No. **101**—Engineers' Oiler, 1 quart, 4 1-8 inch diameter, 6 inches high, 10 inch nozzle.....Per dozen 18.00

### Engineers' Fillers

No. **210**—Engineers' Fillers, 1 quart, 5 inch diameter, 5 inch high, screw top.....Per dozen $20.00

Half dozen in a box.

Chase's Machine Oiler.

### Chase's Machine Oilers

ZINC.

| Nos | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Per dozen | $0.90 | 1.00 | 1.15 | 1.50 | 2.25 |

One dozen in a box.

### Sewing Machine Oilers

Per dozen.....$0.75

One dozen in a box.

Sewing Machine Oiler.

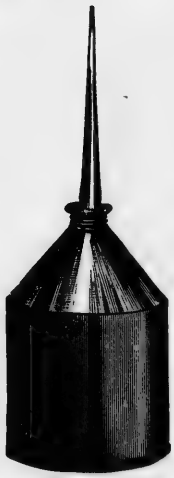
## PARAGON OILERS

ZINC.

| Nos | 1 | 2 | 3 |
|---|---|---|---|
| Per dozen | $1.50 | 1.95 | 2.25 |

Half dozen in a box.

No. 179.



No. 675.

## Threshing Machine Oilers

No. **179**—SPUN.

Straight or bent spout.

No. **179**—3 1-2 x 8 inches ..... Per dozen $1.15

No. **675**

Straight or bent spout.

No. **675**—3 1-2 x 8 inches ..... Per dozen $1.15

## Engineers' Drip Oilers

With handle and filler.

| | |
|---|---|
| 1 pint, bent spout | Per dozen $3.75 |
| 1 1-2 pint, bent spout | Per dozen 4.50 |
| 1 quart, bent spout | Per dozen 5.00 |

Half dozen in a box.

## Bicycle Oilers

No. **169**—TIN.

Per dozen ..... $1.35

One dozen in a box.

## SHOVELS

### Patent Solid Plain Back, D Handle, Square Point

**Jones' Solid Cast Steel**

Jones' D Handle Square Point Shovels, No. 2, polished ..... Per dozen $16.50

**Burns' Solid Cast Steel**

Burns' D Handle Square Point Shovels, No. 2, polished..... Per dozen 15.00

**Gray's Solid Cast Steel**

Gray's D Handle Square Point Shovels, No. 2, polished..... Per dozen 13.00

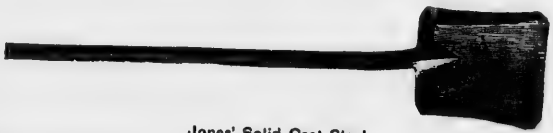
**Old's Solid Cast Steel**

Old's D Handle Square Point Shovels, No. 2, polished..... Per dozen 11.50

**"Silver Dollar" Solid Cast Steel**

"Silver Dollar" D Handle Square Point Shovels, No. 2, polished..... Per dozen 12.00

### Patent Solid Plain Back, L Handle, Square Point



**Jones' Solid Cast Steel**

Jones' L Handle Square Point Shovels, No. 2, polished..... Per dozen $16.50

**Burns' Solid Cast Steel**

Burns' L Handle Square Point Shovels, No. 2, polished..... Per dozen 15.00

**Gray's Solid Cast Steel**

Gray's L Handle Square Point Shovels, No. 2, polished..... Per dozen 13.00

**Old's Solid Cast Steel**

Old's L Handle Square Point Shovels, No. 2, polished..... Per dozen 11.50

**"Silver Dollar" Solid Cast Steel**

"Silver Dollar" L Handle Square Point Shovels, No. 2, polished..... Per dozen 12.00

### Patent Solid Socket, D Handle, Square and Round Point

**Eureka Solid Cast Steel**

Eureka D Handle Square Point Shovels, No. 2, polished..... Per dozen $13.00

Eureka D Handle Round Point Shovels, No. 2, polished..... Per dozen 13.00

## SHOVELS

### Patent Solid Socket, L Handle, Square and Round Point

**Eureka Solid Cast Steel**

Eureka L Handle Square Point Shovels, No. 2, polished ..... Per dozen $13.00
Eureka L Handle Round Point Shovels, No. 2, polished ..... Per dozen 13.00

### Patent Solid Plain Back, D Handle, Round Point

**Jones' Solid Cast Steel**

Jones' D Handle Round Point Shovels, No. 3, polished ..... Per dozen $17.25

**Burns' Solid Cast Steel**

Burns' D Handle Round Point Shovels, No. 3, polished ..... Per dozen $16.00

**Gray's Solid Cast Steel**

Gray's D Handle Round Point Shovels, No. 3, polished ..... Per dozen $14.00

**Old's Solid Cast Steel**

Old's D Handle Round Point Shovels, No. 3, polished ..... Per dozen $12.00

**"Silver Dollar" Solid Cast Steel**

"Silver Dollar" D Handle Round Point Shovels, No. 3, polished ..... Per dozen $12.50

### Patent Solid Plain Back, Long Handle, Round Point

**Jones' Solid Cast Steel**

Jones' L Handle Round Point Shovels, No. 2, polished ..... Per dozen $16.50

**Burns' Solid Cast Steel**

Burns' L Handle Round Point Shovels, No. 2, polished ..... Per dozen $15.00

**Gray's Solid Cast Steel**

Gray's L Handle Round Point Shovels, No. 2, polished ..... Per dozen $13.00

**Old's Solid Cast Steel**

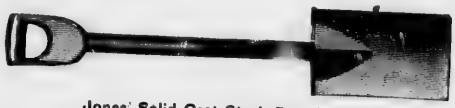
Old's L Handle Round Point Shovels, No. 2, polished ..... Per dozen $11.50
Old's L Handle Round Point Furrow Shovel, narrow, polished ..... Per dozen 11.50

**"Silver Dollar" Solid Cast Steel**

"Silver Dollar" L Handle Round Point Shovels, No. 2, polished ..... Per dozen $12.00
"Silver Dollar" L Handle Round Point Furrow Shovel, narrow, polished ..... Per dozen 12.00

## SPADES

### Patent Solid Plain Back, D and L Handle



#### Jones' Solid Cast Steel, D or L Handle

Jones' D or L Handle Spades, No. 2, polished ..... Per dozen $17.00

#### Burns' Solid Cast Steel, D or L Handle

Burns' D or L Handle Spades, No. 2, polished ..... Per dozen $15.75
Burns' D Handle Toy Spades, polished ..... Per dozen 9.00

#### Gray's Solid Cast Steel, D or L Handle

Gray's D or L Handle Spades, No. 2, polished ..... Per dozen $13.50

#### Old's Solid Cast Steel, D or L Handle

Old's D or L Handle Spades, No. 2, polished ..... Per dozen $12.00

#### "Silver Dollar" Solid Cast Steel, D or L Handle

"Silver Dollar" D or L Handle Spades, No. 2, polished ..... Per dozen $12.50

### Patent Solid Socket D Handle Spades

#### Eureka Solid Cast Steel

Eureka D Handle Spades, No. 2, polished ..... Per dozen $13.00

## Draining Spades

### Patent Solid Plain Back, D Handle

Cut of No 4 with Foot Tread.

#### Jones' Solid Cast Steel

No. **150**—D Handle Draining Spades, 14 x 7 1-2 x 5 1-2, heavy, No. 1, polished ..... Per dozen $18.50
No. **151**—D Handle Draining Spades, 17 x 5 1-2 x 4 1-2, heavy, No. 2, polished ..... Per dozen 18.50
No. **152**—D Handle Draining Spades, 17 x 4 1-2 x 3 heavy, No. 3, polished ..... Per dozen 18.50
No. **153**—D Handle Draining Spades, 18 x 4 1-2 x 3 heavy, No. 4, polished ..... Per dozen 18.50

#### Burns' Solid Cast Steel

No. **160**—D Handle Draining Spades, 14 x 7 1-2 x 5 1-2, light, No. 1, polished ..... Per dozen $17.50
No. **161**—D Handle Draining Spades, 17 x 5 1-2 x 4 1-2, light, No. 2, polished ..... Per dozen 17.50
No. **162**—D Handle Draining Spades, 17 x 4 1-2 x 3 light, No. 3, polished ..... Per dozen 17.50
No. **163**—D Handle Draining Spades, 18 x 4 1-2 x 3 light, No. 4, polished ..... Per dozen 17.50

Treads furnished with Nos. 152, 153, 162, 163, extra per dozen, net ..... $3.00.

## DITCHING SPADES

### Patent Solid Plain Back, D Handle

**Jones' Solid Cast Steel**

No. **154**—D Handle Ditching Spades, 15 1-2 x 7 1-2 x 5 1-2, heavy flat, polished ..... Per dozen $18.50

**Burns' Solid Cast Steel**

No. **164**—D Handle Ditching Spades, 15 1-2 x 7 1-2 x 5 1-2, light flat, polished ..... Per dozen 17.50
Hardy's D Handle Ditching Spades, 15 x 6 3-4 x 6 1-2 ..... Per dozen 17.00

## Nursery, Clay and Post Hole Spades

### Patent Solid Plain Back, D Handle

Post Hole Spade.

**Jones' Solid Cast Steel**

No. **155**—D Handle Post Hole Spades, 15 x 5 1-2 x 6, concaved, polished ..... Per dozen $18.50
No. **156**—D Handle Clay Spades, 12 1-2 x 7, polished ..... Per dozen 17.00
No. **157**—D Handle Nursery Spades, polished ..... Per dozen 19.50

**Burns' Solid Cast Steel**

No. **165**—D Handle Post Hole Spades, 15 x 5 1-2 x 6, concaved, polished ..... Per dozen 17.50
No. **166**—D Handle Clay Spades, 12 1-2 x 7, polished ..... Per dozen 16.00
Hardy's D Handle Clay Spades, 13 x 6 1-2 x 6, polished ..... Per dozen 17.00

## English
## Draining and Ditching Spades

Parkes' Solid Cast Steel Socket, strapped, No. 502, 5 1-2 x 3 x 18, polished ..... Each $ 2.75
Parkes' Solid Cast Steel Socket, strapped, No. 502, 6 x 3 1-2 x 18, polished ..... Each 2.75
Parkes' Solid Cast Steel Socket, strapped, No. 502, 6 x 4 x 18, polished ..... Each 2.75
Parkes' Solid Cast Steel, strapped, No. 549, 5 x 3 x 16, polished ..... Each 1.85
Parkes' Solid Cast Steel, strapped, No. 549, 5 1-4 x 3 1-4 x 18, polished ..... Each 1.85
Parkes' Solid Cast Steel, strapped, No. 549, 6 x 3 1-2 x 18 ..... Each 1.85
Hardy's Solid Cast Steel, full strapped, 5 1-2 x 3 x 17, polished ..... Each 2.00
Hardy's Solid Cast Steel, full strapped, 6 x 3 1-2 x 17, polished ..... Each 2.10
Hardy's Solid Cast Steel, full strapped, 6 x 4 x 17, polished ..... Each 2.25
Hardy's Solid Cast Steel, short strapped, 5 x 3 x 16, polished ..... Per dozen 17.00
Hardy's Solid Cast Steel, short strapped, 5 1-2 x 3 x 16, polished ..... Per dozen 17.00
Hardy's Solid Cast Steel, short strapped, 6 x 3 x 18, polished ..... Per dozen 20.00
Hardy's Solid Cast Steel, short strapped, 6 x 3 1-2 x 18, polished ..... Per dozen 20.00
Jackson's American Draining Spades, 16, 17 and 18 inch ..... Per dozen 16.00

London Tread Spades ..... Per dozen 12.00
Spade Lifters ..... Per dozen 2.75

## GRAIN SCOOPS

### Black Strap Cast Steel, Riveted

#### Jones' Cast Steel

Jones' Cast Steel D Handle Grain Scoops, No. 2, polished ..... Per dozen $14.50
Jones' Cast Steel D Handle Grain Scoops, No. 4, polished ..... Per dozen 15.50
Jones' Cast Steel D Handle Grain Scoops, No. 6, polished ..... Per dozen 17.50
Jones' Cast Steel D Handle Grain Scoops, No. 8, half polished ..... Per dozen 20.00
Jones' Cast Steel D Handle Grain Scoops, No. 10, half polished ..... Per dozen 22.50
Jones' Cast Steel D Handle Locomotive or Coal Scoops, No. 6, heavy, black ..... Per dozen 17.50
Jones' Cast Steel D Handle Coal Scoops, round point, No. 6 extra heavy, black ..... Per dozen 18.00
Jones' Cast Steel D Handle House Furnace Scoop, black ..... Per dozen 10.50

#### Ward's Cast Steel

Ward's Cast Steel D Handle Grain Scoops, No. 2, polished ..... Per dozen $12.50
Ward's Cast Steel D Handle Grain Scoops, No. 4, polished ..... Per dozen 13.50
Ward's Cast Steel D Handle Grain Scoops, No. 6, polished ..... Per dozen 14.00

### Faxon or Mohawk Steel Scoops

Cast Steel D Handle Grain Scoops, No. 2, half polished ..... Per dozen $10.50
Cast Steel D Handle Grain Scoops, No. 4, half polished ..... Per dozen 11.25
Cast Steel D Handle Grain Scoops, No. 2 polished ..... Per dozen 11.25
Cast Steel D Handle Grain Scoops, No. 4, polished ..... Per dozen 12.00
Cast Steel D Handle Grain Scoops, No. 6, polished ..... Per dozen 12.50
Cast Steel D Handle Grain Scoops, No. 8, polished ..... Per dozen 14.25
Cast Steel D Handle Grain Scoops, No. 10, polished ..... Per dozen 16.00

#### Leeds' Steel

| | | Black | Half Polished |
|---|---|---|---|
| Leeds' D Handle Grain Scoops, No. 2 | Per dozen | $10.00 | 10.50 |
| Leeds' D Handle Grain Scoops, No. 4 | Per dozen | 11.00 | 11.50 |

### Galvanized Scoops

No. 3—Galvanized Steel Scoops (for salt, etc ) ..... Per dozen $21.00

PATENT SOLID SOCKET.

#### Eureka Cast Steel

Eureka Cast Steel D Handle Grain Scoops, No. 2, polished ..... Per dozen $10.00
Eureka Cast Steel D Handle Grain Scoops, No. 3, polished ..... Per dozen 11.00
Eureka Cast Steel D Handle Grain Scoops, No. 4, polished ..... Per dozen 12.00
Eureka Cast Steel D Handle Grain Scoops, No. 6, polished ..... Per dozen 13.00
Eureka Cast Steel D Handle Grain Scoops, No. 8, polished ..... Per dozen 15.00

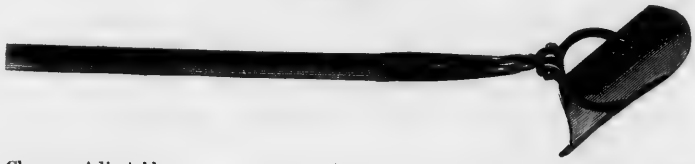
## POST HOLE SPOONS

FOR DIGGING POST HOLES.

Cast Steel Riveted Post Hole Spoons, handled ..... Per dozen $9.60

## Concave Drain Cleaners

ADJUSTABLE.



Concave Drain Cleaners, Adjustable ..... Per dozen $14.00

## American Patent Socket Snow Shovel

No. **100**—Best Cast Steel, T Handle, No. 2, black ..... Per dozen $6.00
No. **101**—Best Cast Steel, L Handle, No. 2, black ..... Per dozen 5.50

## Sand Shovels

Jones' L or D Handles, Solid Cast Steel Socket, No. 4, 13 1-4 x 11 x 10 1-2, black ..... Per dozen $13.00
Jones' L or D Handles, Solid Cast Steel Socket, No. 5, 13 1-2 x 11 1-2 x 11, black ..... Per dozen 13.25
Jones' L or D Handles, Solid Cast Steel Socket, No. 6, 13 3-4 x 12 x 11 1-2, black ..... Per dozen 13.50

Half polished, 50 cents per dozen extra.

## Railway Shovels

**Patent Plain Back, Solid Cast Steel**

Jones' D Handle, Square Point, No. 2, 70 lbs. per dozen, black ..... Per dozen $15.75
Jones' D Handle, Round Point, No. 3, 70 lbs. per dozen, black ..... Per dozen 16.50
Burns' D Handle, Square Point, No. 2, 70 lbs. per dozen, black ..... Per dozen 14.25
Burns' D Handle, Round Point, No. 3, 70 lbs. per dozen, black ..... Per dozen 15.25

## Miners' Shovels

AMERICAN.

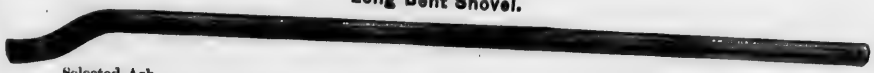
L Handle, Cast Steel Miners' Shovels, riveted back, polished, half-spring and full-spring points ..... Per dozen $13.00

## Moulders' Shovels

Jones' D Handle, patent plain back, solid cast steel, polished ..... Per dozen $16.50
Burns' D Handle, patent plain back, solid cast steel, polished ..... Per dozen 15.50

## HANDLES.

### Long Bent Shovel.

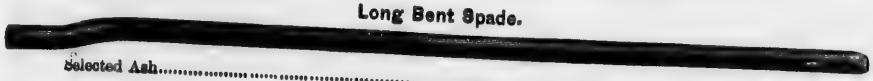


Selected Ash.....Per Dozen, $2.50

### All Wood, D Shovel

Selected Ash.....Per Dozen, $2.80

### Long Bent Spade.



Selected Ash.....Per Dozen, $2.50

### All Wood, D Spade.

Selected Ash.....Per Dozen, $2.80

### All Wood, D Ditching Spade.

Selected Ash, Extra Long.....Per Dozen, $4.00

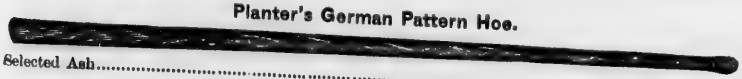
### All Wood, D Scoop.

Selected Ash.....Per Dozen, $3.50

### Garden or Field Hoe.

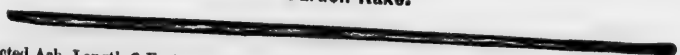
Selected Ash.....Per Dozen, $0.95

### Planter's German Pattern Hoe.



Selected Ash.....Per Dozen, $2.25

### Garden Rake.



Selected Ash, Length 6 Feet.....Per Dozen, $1.40

PACKED AS WANTED.

## HANDLES.

### Straight Hay Fork.

**Selected Ash.**

| Length, Feet | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|---|
| Per Dozen | $1.20 | 1.40 | 1.60 | 1.80 | 2.00 |

### Bent Hay Fork.

**Selected Ash.**

| Length, Feet | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|
| Per Dozen | $1.80 | 2.00 | 2.10 | 2.35 |

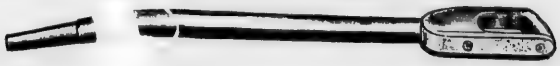
### Barley Fork Handles.

Per Dozen ..... $2.50

### Long Bent Manure Fork.

Selected Ash, Length 4 1-2 Feet..... Per Dozen, $2.00

### D Manure Fork (with Malleable D Head).



Selected Ash, Bent, Chucked and Bored ..... Per Dozen, $3.25
Selected Ash, Bent, Ferruled..... Per Dozen, 4.25

### Malleable Iron D Heads.

For Manure and Spading Forks..... Per Dozen, $2.00

### Plain Wrought Iron Ferrules.

Hoe.

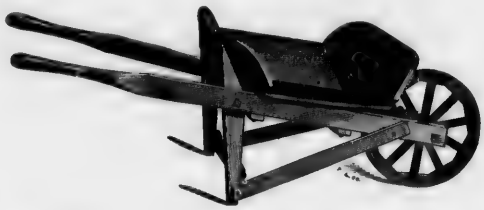
Hay Fork

Manure Fork.

Hoe..... Per Dozen, $ .80
Hay Fork..... Per Dozen, .85
Manure Fork..... Per Dozen, 1.00

PACKED AS WANTED.

## RAILROAD OR NAVVY WHEELBARROWS



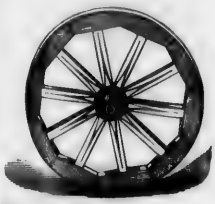
Bent Tray, bolted securely to frame, strongly made and well finished.

With Jacobs' Patent Wood Wheel

Per dozen ..... $25.50

With Iron Wheel

Per dozen ..... $27.00



Wheelbarrow Wheels, iron. ..... Per dozen $16.50

## Garden Wheelbarrows

Garden Wheelbarrows, painted and striped ..... Each $4.00

## Steel Tray Wheelbarrows

FOR MINERS, FOUNDRIES, ETC.

Steel Tray, tubular frame ..... Each $8.25

## HORSE TIE WEIGHTS

Japanned.

Japanned Horse Weights, 15 to 30 lbs. each ..... Per pound $0.06

## Tie Weights, with Chain

| Trade No. | Weight. | Length of Chain. | Price per Dozen. |
|---|---|---|---|
| 10 | 15 lbs. | 7 feet. | $11 50 |
| 11 | 15 " | 9 " | 12 50 |
| 12 | 15 " | 12 " | 14 00 |
| 13 | 20 " | 7 " | 14 00 |
| 14 | 20 " | 9 " | 15 00 |
| 15 | 20 " | 12 " | 16 40 |
| 16 | 25 " | 7 " | 16 30 |
| 17 | 25 " | 9 " | 17 30 |
| 18 | 25 " | 12 " | 18 80 |
| 19 | 30 " | 7 " | 18 70 |
| 20 | 30 " | 9 " | 19 70 |
| 21 | 30 " | 12 " | 21 20 |

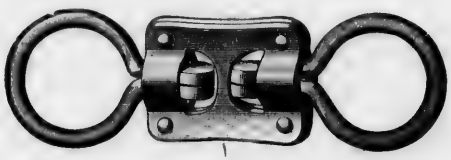
Chains only—7 ft. $5.00, 9 ft $6.00, 12 ft. $7.50 per dozen.

These Tie Weights are fitted with No. O Brown's Patent Chain, with swivel snap at end, and are securely attached to the weight.

## Hitching Post Heads

Cast Iron, Japanned.

## Oneida Steel Swivels



1 inch, 1 ring ..... Per dozen $0.55
3-4 inch, 2 rings ..... Per dozen .60
1 inch, 2 rings ..... Per dozen .70

Six dozen in a box.

Trade No. ...
No. on wire g
Approximate
Approximate

## BROWN'S PATENT STEEL WIRE CHAINS

Cuts showing full size.

No. 2.

No. 1.

No. 0.

No. 00.

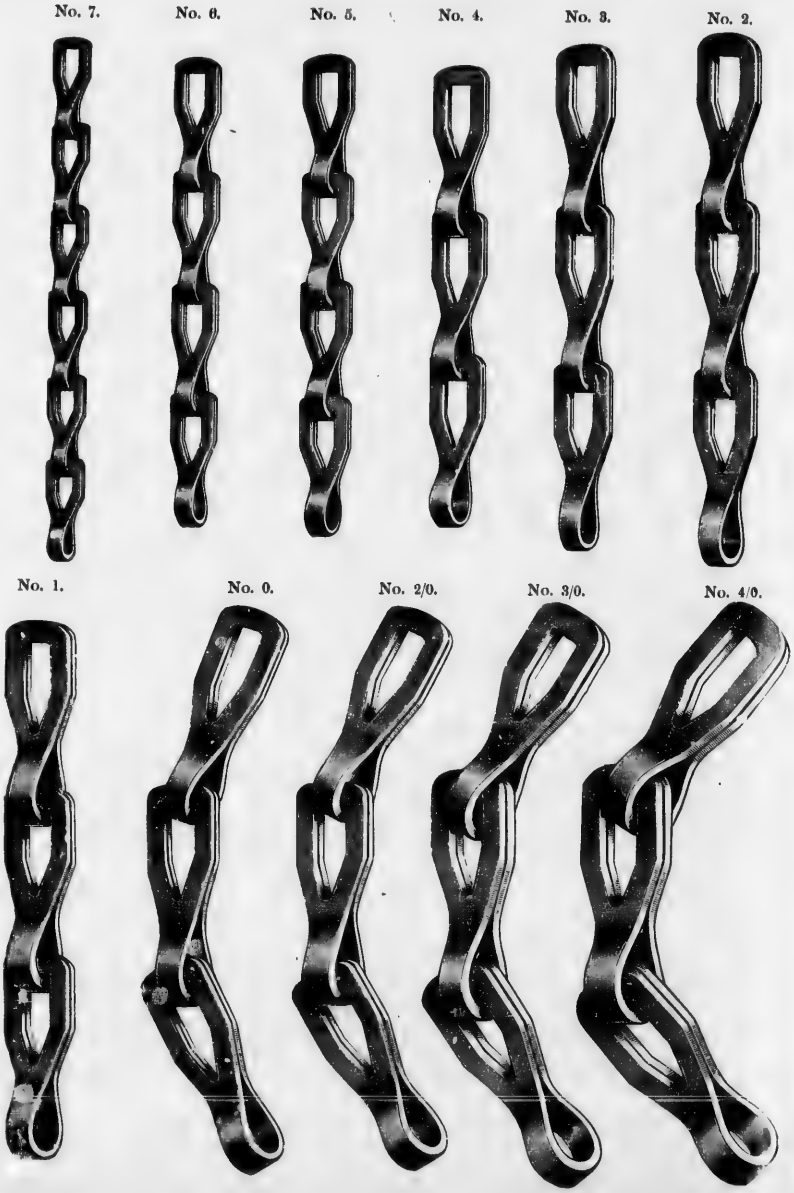
No. 000.

No. 00000.

| Trade No | 00000 | 000 | 00 | 0 | 1 | 2 |
|---|---|---|---|---|---|---|
| No. on wire gauge | 6 | 8 | 9 | 10 | 11 | 12 |
| Approximate length, per pound | 3 ft. | 4 1-3 ft. | 5 ft. | 6 1-6 ft. | 8 1-3 ft. | 10 1-4 ft. |
| Approximate breaking strain (in pounds) | 2100 | 1800 | 1500 | 1200 | 1000 | 800 |

## AMERICAN CHAINS

Cuts showing exact size of links.



No. 2.

No. 4/0.

## GERMAN HALTER CHAINS

| Nos | 3/0 | 2/0 | 0 | 1 | 2 | 3 | 4 | 6 |
|---|---|---|---|---|---|---|---|---|
| 4 1-2 feet Per dozen | $3.00 | 2.70 | 2.50 | 2.25 | 2.10 | 1.90 | .... | .... |
| 6 feet Per dozen | .... | .... | .... | 3.00 | 2.80 | .... | 2.65 | 2.40 |

Nos. 3/0, 2/0 and 0, half dozen in a package. Other Nos., one dozen.

Cuts of bright Coil Chain on page 669 show exact size links of above chains.

## American Halter Chains

| Nos | 3/0 | 2/0 | 0 | 1 | 2 | 3 | 4 | 6 |
|---|---|---|---|---|---|---|---|---|
| 4 1-2 feet Per dozen | $3.50 | 3.15 | 2.40 | 2.10 | 1.90 | .... | .... | .... |
| 6 feet Per dozen | .... | .... | .... | 3.00 | 2.60 | 2.40 | 2.20 | 2.10 |

Nos. 3/0, 2/0 and 0, half dozen in a box. Other Nos., one dozen.

For cuts showing exact size of links see page 662.

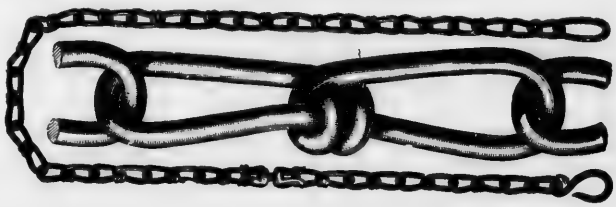
## BROWN'S PATENT STEEL WIRE CHAINS.

### Halter and Dog Chains

| Nos. | 2 | 1 | 0 | 2/0 | 3 0 |
|---|---|---|---|---|---|
| 4 1-2 feet.....Per dozen | $3.00 | 3.50 | 4.00 | 4.50 | 5.20 |
| 6 feet.....Per dozen | 4.00 | 4.50 | 5.00 | 5.75 | 6.75 |
| 9 feet.....Per dozen | 5.10 | 5.70 | 6.25 | 7.20 | 8.50 |

9 feet chain has one centre swivel in addition to swivel snap.
One dozen in a box.

### Blue Tempered Steel Trace Chains



| Feet | 3 1-2 | 7 |
|---|---|---|
| Per pair | $0.45 | .65 |

Half dozen and one dozen pairs in a box.

### English Trace Chains

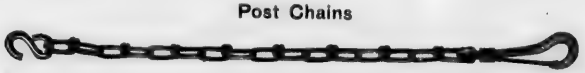
| Straight or twisted links | 3 1-2 x 10 x 2 | 7 x 10 x 2 | 7 x 12 x 2 |
|---|---|---|---|
| Per pair | $0.88 | .65 | .70 |

### Brown's Patent Coil Chain

| Nos. | 2 | 1 | 0 | 2/0 | 3/0 | 5/0 |
|---|---|---|---|---|---|---|
| Per 100 feet, bright | $4.65 | 5.25 | 6.00 | 6.75 | 7.75 | 8.85 |
| Per 100 feet, galvanized | 6.35 | 7.25 | 8.75 | 10.25 | 11.75 | 14.50 |

In 100 feet boxes, or kegs of about 100 lbs.

### Post Chains



| | |
|---|---|
| No. 0—2 1-2 feet long.....Per dozen | $3.00 |
| No. 1—2 1-2 feet long.....Per dozen | 2.65 |
| No. 2—2 1-2 feet long.....Per dozen | 2.40 |

One dozen in a box.

### Special Tie Chains

| | |
|---|---|
| No. 2—7 feet long, bright, with swivel snap at each end.....Per dozen | $5.00 |
| No. 2—7 feet long, nickeled, with swivel snap at each end.....Per dozen | 7.00 |

For cuts showing sizes of chain see page 661.

## ALL STEEL BREAST CHAINS

Patented.

### Steel Breast Chains

| Inch | 28 | 48 |
|---|---|---|
| Per pair | $0.60 | .90 |

### Key Rings

On Cards

| | | |
|---|---|---|
| No. **5168**—Flat, Split Ring, assorted | Per gross | $2.80 |
| No. **5169**—Fancy Split Ring, assorted | Per gross | 3.25 |
| No **4252**—Round Ball Ends, assorted | Per gross | 3.75 |
| No. **5260**—Heavy Round Split Ring, assorted | Per dozen | 1.20 |
| No. **5261**—Heavy Round Split Ring, assorted | Per dozen | 1.50 |
| Challenge, Chain with Padlock | Per dozen | 1.35 |

One dozen on a card.

### Scabbard Rings

| | | | |
|---|---|---|---|
| No. **2606** E—Heavy Split Ring, 1 3-4 inch | Per dozen | 1.25 |
| No. **72** —Heavy Split Ring, 2 inch | Per dozen | 1.90 |

Half dozen on a card.

### Key Chains

| | | |
|---|---|---|
| Polished Steel, 20 inch | Per dozen | $1.00 |
| Nickel Plated, 20 inch | Per dozen | 1.50 |
| Mixed Link, 20 inch | Per dozen | 1.65 |
| Aluminum, 20 inch | Per dozen | 2.85 |

One dozen in a box.

Key Chains.

## TIE-OUT CHAINS

BROWN'S PATENT STEEL CHAIN

| Nos. | | 1 | 0 | 00 | 000 |
|---|---|---|---|---|---|
| 20 feet, two swivels | Per dozen | $13.50 | $15.00 | $17.00 | $20.00 |
| 30 " " | Per dozen | 19.00 | 21.00 | 24.50 | 28.00 |
| 40 " " | Per dozen | 24.00 | 28.00 | 32.00 | 37.00 |
| 50 feet, three swivels | Per dozen | 30.00 | 33.00 | 39.00 | 46.00 |
| 60 " " | Per dozen | 35.00 | 39.00 | 45.00 | 52.00 |
| 75 " " | Per dozen | 40.00 | 45.00 | 52.00 | 59.00 |
| 100 feet, four swivels | Per dozen | 53.00 | 60.00 | 69.00 | 79.00 |

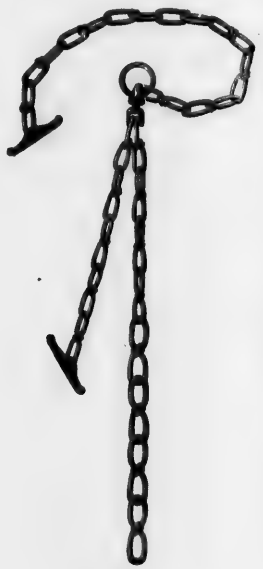
These Chains have stake rings, swivels and a swivel snap. They are the best chains on the market for tethering cattle.

## Cow Ties

BROWN'S PATENT STEEL CHAIN.

Open Ring.

Closed Ring.



Three Chain.

| Nos. | | 0000 | 000 | 00 | 0 |
|---|---|---|---|---|---|
| Open Ring | Per dozen | $4.75 | $4.00 | $3.50 | $3.25 |
| Closed Ring | Per dozen | 4.75 | 4.00 | 3.50 | 3.25 |
| Three Chain | Per dozen | 4.75 | 4.00 | 3.50 | 3.25 |

Put up 1-2 dozen in a box, 12 dozen in a case.

Closed Ring Cow Ties of this pattern are made with rings 2 1-2 and 3 1-2 inch diameter. Smaller size ring always sent unless otherwise ordered.

For cuts showing sizes of chain see page 661.

## AMERICAN COW CHAINS

**Open Ring Pattern.**

| Nos | 0 | 2/0 | 3/0 | 4/0 |
|---|---|---|---|---|
| Per dozen | $3.25 | 3.50 | 4.00 | 4.75 |

Half dozen in a box.

**Closed Ring Pattern.**

| Nos | 2/0 | 3/0 | 4/0 |
|---|---|---|---|
| Per dozen | $3.50 | 4.00 | 4.75 |

Half dozen in a box.

**Ohio Pattern. Three Chain.**

| Nos | 2/0 | 3/0 | 4/0 |
|---|---|---|---|
| Per dozen | $3.25 | 3.75 | 4.50 |

Half dozen in a box.

For cuts showing exact sizes of chain see page 662.

## ENGLISH COW CHAINS

Close Ring.

Open Ring.

Our Chains are specially made from patterns supplied by us to makers. These patterns being selected with special regard to the requirements of cattle raisers.

### Close Ring

| Nos. | 085 | 85 | 185 | 285 | 485 |
|---|---|---|---|---|---|
| Per dozen | $2.75 | 2.85 | 3.00 | 3.85 | 3.60 |

Nos. 85 and 285 have small rings for use on iron bars.

### Open Ring

| Nos. | 0081 | 081 | 81 | 181 | 281 |
|---|---|---|---|---|---|
| Per dozen | $2.05 | 2.40 | 3.15 | 4.25 | 5.00 |

### Three Chain or Walton Pattern

| Nos. | 086 | 86 | 186 | 286 |
|---|---|---|---|---|
| Per dozen | $2.20 | 2.55 | 2.85 | 3.55 |

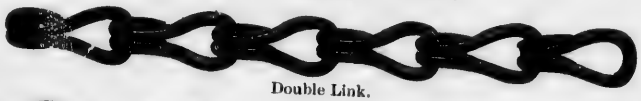
Half dozen in a package.

Nos. 3-0

Nos.....

Per 100 feet.

## JACK AND SAFETY CHAIN



Double Link.

No. 8.

### Steel Jack Chain

Price per dozen yards.

No. 10.

**Single Link**

| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|
| $1.20 | .90 | .75 | .54 | .49 | .43 | .38 | .34 |
| **14** | **15** | **16** | **17** | **18** | **19** | **20** | |
| $0.30 | .28 | .25 | .24 | 23 | | | |

No. 12.

**Double Link**

| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|
| $1.54 | 1.21 | .96 | .86 | 75 | .60 | .53 | .47 |
| **14** | **15** | **16** | **17** | **18** | **19** | **20** | |
| $0.42 | .36 | .33 | | .30 | | | |

No. 14.

**Brass Single Link**

| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|
| $5.25 | 4.25 | 3.50 | 2.55 | 2 05 | 1.70 | 1.35 | 1.00 |
| **16** | **17** | **18** | **19** | **20** | | | |
| $0.86 | .82 | .60 | .54 | .50 | | | |

No. 16.

**Brass Double Link**

| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| $4.25 | 3.45 | 3.00 | 2.15 | 1.90 | 1.50 | 1.20 | 1.00 | .75 | .65 | .62 |

No. 18.

No. 20

### Brass Safety Chain

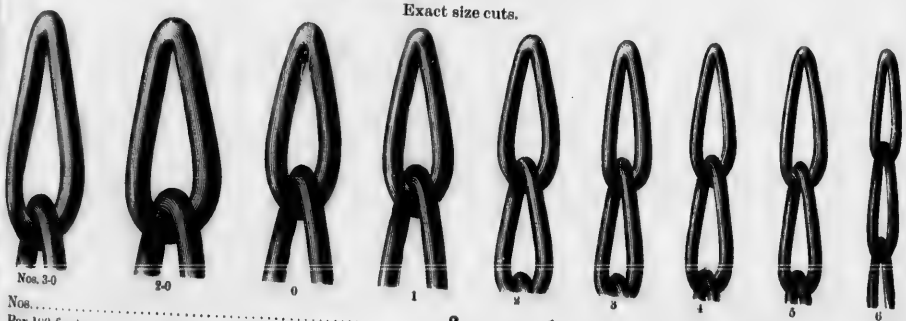
| 2 | 1 | 1/0 | 2 0 | 3/0 |
|---|---|---|---|---|
| $1.90 | 1.40 | 1.10 | 1.00 | .85 |

One dozen yards in a box.

Safety No. 00.

### Bright German Coil Chain

Exact size cuts.




| Nos. | 2 | 1 | 0 | 2/0 | 3 0 |
|---|---|---|---|---|---|
| Per 100 feet | $3.30 | 3.60 | 3.75 | 4.00 | 4.50 |

One hundred feet in a package.

## CURRY COMBS

### Scroll Back

| | | | |
|---|---|---|---|
| No. **1**—Steel, 6 bars | Per dozen $1.10 | No. **2**—Steel, 8 bars | Per dozen $1.25 |
| No. **3**—Tinned, 6 bars | Per dozen 1.35 | No. **4**—Tinned, 8 bars | Per dozen 1.45 |
| No. **5**—Brass, 6 bars | Per dozen 1.90 | No. **6**—Brass, 8 bars | Per dozen 2.20 |

### Single Raised Grip

| | | | |
|---|---|---|---|
| No. **11**—Steel, 6 bars | Per dozen $1.25 | No. **12**—Steel, 8 bars | Per dozen $1.35 |
| No. **13**—Tinned, 6 bars | Per dozen 1.35 | No. **14**—Tinned, 8 bars | Per dozen 1.45 |
| No. **15**—Brass, 6 bars | Per dozen 1.90 | No. **16**—Brass, 8 bars | Per dozen 2.20 |

One dozen in a box.

## CURRY COMBS

### Flat Back

WITH MANE COMB.

No. **17**—Steel, 6 bars..... Per dozen $1.60
No. **18**—Tinned, 6 bars..... Per dozen 1.85
No. **19**—Brass, 6 bars..... Per dozen 2.40

### Close Steel Back and Steel Bars

No. **47**—6 bars..... Per dozen $2.30
No. **48**—8 bars..... Per dozen 2.80

One dozen in a box.

## CURRY COMBS

### Double Raised Grip

| | |
|---|---|
| No. **21**—Steel, 6 bars.....Per dozen $1.50 | No. **22**—Steel, 8 bars.....Per dozen $1.90 |
| No. **23**—Tinned, 6 bars.....Per dozen 1.80 | No. **24**—Tinned, 8 bars.....Per dozen 2.25 |
| No. **25**—Brass, 6 bars.....Per dozen 2.60 | No. **26**—Brass, 8 bars.....Per dozen 3.20 |

### Double Raised Grip

CLOSE BACK.

| | |
|---|---|
| No. **41**—Steel, 6 bars.....Per dozen $1.80 | No. **42**—Steel, 8 bars.....Per dozen $2.20 |
| No. **43**—Tinned, 6 bars.....Per dozen 2.10 | No. **44**—Tinned, 8 bars.....Per dozen 2.80 |
| No. **45**—Brass, 6 bars.....Per dozen 2.80 | No. **46**—Brass, 8 bars.....Per dozen 3.40 |

One dozen in a box.

## CURRY COMBS

### Double Handle

No. **33**—Steel, 6 bars.....Per dozen $2.20
No. **35**—Tinned, 6 bars.....Per dozen 2.50
No. **37**—Brass, 6 bars.....Per dozen 3.30

### Double Raised Grip

WITH MANE COMB.

No. **27**—Steel, 6 bars.....Per dozen $2.00
No. **29**—Tinned, 6 bars.....Per dozen 2.40
No. **31**—Brass, 6 bars.....Per dozen 3.10

One dozen in a box.

## CURRY COMBS

### Patent Self Cleaning

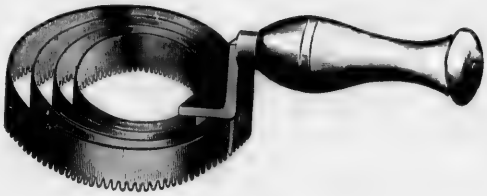
A. W. C.

No. **141**—Steel, 6 bars.....Per dozen $3 20

### Perfect Curry Comb

Wood Back set with wire by patent process.

Per dozen ..... $2 00



### Circular Spring Steel

With strong Malleable Iron Shank, which is rivetted through handle.

No. **75** .....Per dozen $2.75

### Cattle Comb

STEEL.

With strong Malleable Iron Brace Back, rivetted through handle.

Per dozen..... $2.00

One dozen in a box.

## HORSES' FRIEND CURRY COMB

Patented.

Front View of the Comb.

Back View of the Comb.

Will not scratch the most tender skinned animal.

Horses' Friend Curry Comb..... Per dozen $2.10

One dozen in a box.

### Roller Buckles

### Harness Rings

### Malleable, Japanned Roller Buckles

No. 74—Japanned Roller Buckles.

| Inch | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|
| Per gross | $0.60 | .75 | 1.00 | 1.15 | 1.65 | 1.90 |

No. 50—Japanned, Barrel Roller Buckles.

| Inch | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 |
|---|---|---|---|---|---|---|---|---|---|
| Per gross | $0.75 | .90 | 1.05 | 1.25 | 1.65 | 2.15 | 2.65 | 3.25 | 4.10 |

5-8 inch, two gross in a box. 3-4 to 1 inch, one gross. Other sizes, half gross.

No. 850—Japanned Shoe Buckles.

1-2 inch ..... Per gross $1.35

Two gross in a box.

### Harness Rings

| Japanned Halter, inch | 3-4 | 1 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|
| Per gross | $0.70 | .75 | .85 | 1.35 |
| Japanned Breeching, inch | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 | 2 1-2 |
| Per gross | $0.90 | 1.30 | 2.25 | 2.75 | 3.50 | 5.75 |

Half gross in a box or package.

### Malleable Cockeyes, with Roller

| Japanned Screwed Cockeyes inch | 1 1-2 | 1 3-4 |
|---|---|---|
| Per dozen | $0.55 | .60 |

Two dozen in a box.

## LARGE AND SMALL HORSE CARDS

Large Horse Cards, No. 2.

Small Horse Cards, Nos. 4 and 04

### Horse Cards, Coppered Wire

No. **2**—Large, 8 1-4 x 3 1-2 inches, leather, coppered wire ..... Per dozen $1.50

No. **04**—Small, 5 3-4 x 3 1-2 inches, leather board, coppered wire..... Per dozen .95

No. **4**—Small, 5 3-4 x 3 1-2 inches, leather, coppered wire ..... Per dozen 1.40

### Wool Cards

No. **8B**—Wool, 9 1-4 x 4 1-4 inches, leather, coppered wire..... Per dozen pairs $5.25

### Mane Combs

No. **156E**—Horn Mane Combs, 4 x 2 1-2 inches..... Per dozen $1.65

One dozen in a package.

## SHOE THREAD

### Barbour's Standard

| Nos. | 8 | 9 | 10 | 12 | 15 | 20 |
|---|---|---|---|---|---|---|
| Per pound | $0.78 | .86 | .87 | .92 | 1.02 | 1.08 |

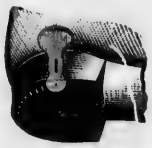
### Harp Brand

| Nos. | 8 | 10 |
|---|---|---|
| Per pound | $0.68 | .78 |

One pound in a box.

## Shoemakers' or Saddlers' Wax

Shoemakers' Wax in balls ..... Per 100 balls $1.00

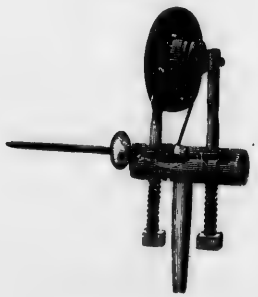


## Fisher's Patent Heel Supports

| Nos. | 2 | 3 |
|---|---|---|
| Per dozen | $1.35 | 1.35 |

One dozen in a box.

## Wheelheads



### Patent Brass Bushed

| Size | Large | Extra Large |
|---|---|---|
| Per dozen | $4.50 | 5.80 |

### Anti-Friction

| Size | Large | Extra Large |
|---|---|---|
| Per dozen | $5.00 | 6.30 |

One dozen in a box.

## GERMAN PATTERN HARNESS

BRONZED.

| Inch | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|---|
| Per gross | $2.40 | 2.40 | 2.40 | 4.20 | 5.50 | 7.00 | 8.00 |

3-4 to 1 inch, half gross in a box; other sizes, one-quarter gross.

### Round Eye. Bronzed

| Inch | 1-2 | 5-8 | 3-4 | 7-8 |
|---|---|---|---|---|
| Per gross | $2.40 | 3.20 | 4.40 | 5.50 |

Half gross in a box.

"Hubbard's" Patent

"Gem" Patent

No. 4—Hubbard's Patent, X C Plate

| Inch | 7-8 | 1 |
|---|---|---|
| Per gross | $9.00 | 9.00 |

No. 32—"Gem" Patent, X C Plate

| Inch | 7-8 | 1 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|
| Per gross | $5.25 | 5.25 | 8.75 | 10.25 |

7-8 and 1 inch, half gross in a box; other sizes, one quarter gross.

Triumph Patent

No. 55—X C Plate

| Inch | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|---|
| Per gross | $3.60 | 3.85 | 6.60 | 7.25 | 8.00 |

7-8 and 1 inch, half gross in a box; other sizes, one-quarter gross.

## ONEIDA SOLID STEEL HARNESS SNAPS

Nickel-Plated

| Inch | 3-4 | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 |
|---|---|---|---|---|---|---|
| Per gross | $3.30 | 3.85 | 3.40 | 5.75 | 6.75 | 8.25 |

One-quarter gross in a box.

These Snaps are made from best Bessemer stc.[illegible], the greatest care being taken in the manufacture of the springs, which are of a new pattern, and attached to the Snap in such a way as to insure the greatest reliability.

### Bolt Snaps

No. 12.—X C Plate.

| Inch | 7-8 | 1 | 1 1-4 | 1 1-2 | 1 3-4 | 2 |
|---|---|---|---|---|---|---|
| Per gross | $4.50 | 4.80 | 8.00 | 8.75 | 9.50 | 11.00 |

7-8 and 1 inch, half gross in a box; other sizes, quarter gross.

### Bolt Snaps, Open Eye

No. 12.—X C Plate.

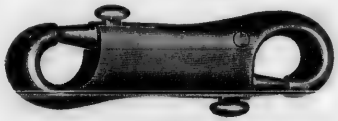
Cut shows closed eye.

No. 12—Round, open eye, 3-4 inch, X C Plate.....Per gross $5.50

Half gross in a box.

### Bit Snap

### Double Snap



No. 100.

Coleman's Patent Bit Snap, bronzed.....Per gross $6.50

No. 100—Double Snaps, X C Plate.....Per gross 9.00

Half gross in a box.

## BREAST STRAP ROLLER SNAPS

X. C. Plate, Breast Strap Roller Snaps

| | | | | |
|---|---|---|---|---|
| Inch | | 1 1-2 | | 1 3-4 |
| Per dozen | | $2.40 | | 2.55 |

One dozen in a box.

### Whiffletree Snaps

Japanned.

| | | | | |
|---|---|---|---|---|
| Inch | 7-8 | 1 | 1 1-8 | 1 1-4 |
| Per dozen | $4.50 | 4.75 | 5.60 | 6.00 |

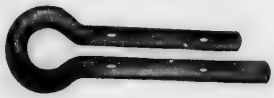
One dozen in a box.

### Hame Staples

No. **980**—Malleable iron, with burs, 3-8 inch ..... Per dozen $0.30

Two dozen in a box.

### Hame Tug Clips



No. **982**—Malleable iron, 3-8 inch ..... Per dozen $0.30

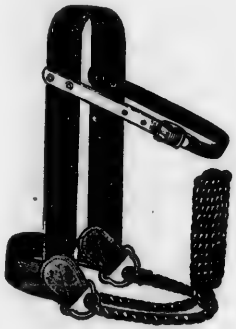
Two dozen in a box.

### Breast Strap Slides

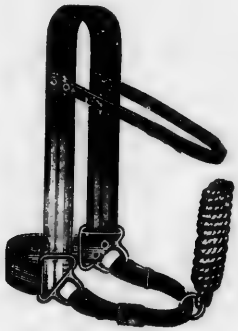
No. **5**—1 3-4 inch, heavy grey iron, japanned ..... Per dozen $0.75
No. **6**—1 3-4 inch, steel ..... Per dozen 0.50

One dozen in a box.

## WEB HALTERS



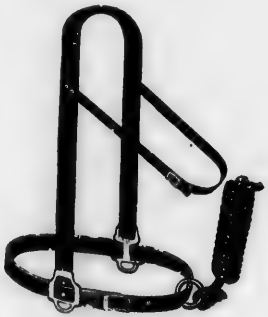
No. 00.



Adjustable.

No. **00**—12 Cord, Rope Chin Strap and Tie ..... Per dozen $3.00
Adjustable, with Buckled Chin Strap, Rope Tie ..... Per dozen 4.00

## Leather Halters



DEFIANCE.

Style of No. 100.
(Cut shows Rope Tie.

No. **6**—Defiance, 1 inch leather, tinned trimmings, rope tie ..... Per dozen $ 7.50
No. **16**—Defiance, 1 1-4 inch leather, tinned trimmings, leather tie ..... Per dozen 9.75
No. **100**—Extra strong, stitched joints, with snap and leather tie ..... Per dozen 15.00
No. **150**—Extra strong, plain without leather tie ..... Per dozen 11.00
No. **20E**—1 inch leather, japanned trimmings, rope tie ..... Per dozen 5.25
No. **25E**—1 1-4 inch leather, tinned trimmings, rope tie ..... Per dozen 7.00

## Rope Halters

WITH MALLEABLE SNAP AND RING.

Sisal Rope Halters, small ..... Per gross $10.00
Sisal Rope Halters, large ..... Per gross 14.50
Sisal Rope Halters, extra large ..... Per gross 22.00
Manilla Rope Halters, extra large ..... Per gross 28.50
Russia Hemp Rope Halters, small ..... Per gross 28.50
Russia Hemp Rope Halters, large .....

## WHIP SOCKETS

Skeleton, Leather Dash.
Three-quarters size cut.

Worden's Adjustable.
One-third size cut.

Skeleton, Wood Dash.
Three-quarters size cut.

### Skeleton Whip Sockets

Leather Dash, grey iron, japanned ..... Per dozen $1 00
Wood Dash, grey iron, japanned ..... Per dozen .00

One dozen in a box.

### Worden's Adjustable Whip Sockets

Worden's Adjustable, steel japanned, leather dash ..... Per dozen $2.50

Half dozen in a box.

## WHIP SOCKETS

ADJUSTABLE BAND FASTENERS.

Style of Nos. 10 and 103.

Style of Nos. 113 and 20.

No. **10**—Steel, japanned, 6 3-4 inches long ..... Per dozen $0.90
No. **103**—Steel, japanned, plated top, 6 3-4 inches long ..... Per dozen 1.15
No. **113**—Steel, japanned, plated bell top, 6 3-4 inches long ..... Per dozen 3.00
No. **20**—Steel, japanned, bell top, 7 1-2 inches long ..... Per dozen 4.50

Half dozen in a box.

## Whip Lashes

### Imitation Buck

| Feet | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|---|
| 4 plait, per dozen | $1.60 | 1.75 | 2.00 | 2.25 | 2.50 |

### Horse Hide

| Feet | 3 | 3 1-2 | 4 | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|---|---|---|
| 4 plait, per dozen | $1.35 | 1.45 | 1.60 | 1.90 | 2.25 | 2.50 | 2.75 |

### Raw Hide

| Feet | 4 | 4 1-2 | 5 | 5 1-2 |
|---|---|---|---|---|
| Per dozen | $2.50 | 2.75 | 3.10 | 3.50 |

California, Horse Hide and genuine Buckskin Lashes, 10 and 12 feet, to order.

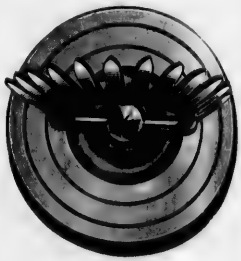
## Whip Stocks

Live Oak Whip Stocks, black leather covered, 3 1-2 feet ..... Per dozen $7.00
Hickory Whip Stocks, with keeper, 3 1-2 feet ..... Per dozen 1.15

## WHIP RACKS

Circular.

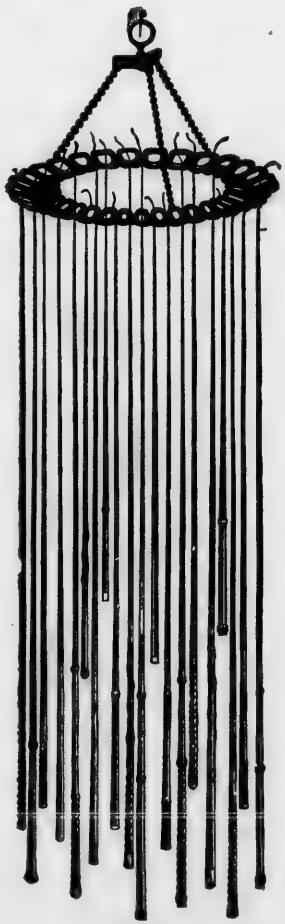
Straight.



Handy.

Circular Whip Racks, 16 1-2 inches diameter, holds 64 whips, without chains ..... Per dozen $11 25
Straight Whip Racks ..... Per dozen 2 20
Handy Whip Racks ..... Per dozen 3.00

Half dozen in a box.



## DRIVING WHIPS

### Straight Rattan

| No. | | Price per doz. |
|---|---|---|
| 12 | Black, varnished, japan cap, loop snap, 5 1-2 feet | $ 1.15 |
| 14 | Black, varnished, japan cap, loop snap, 6 feet | 1.35 |
| 16 | Black, varnished, nickel cap and ferrule, loop snap, 6 feet | 1.90 |
| 30 | Black, varnished, closely platted, chased nickel or gilt ferrule, japan cap, loop snap, 6 feet | 2.50 |
| 34 | Black, fine platted, chased nickel or gilt, head and ferrule, loop snap, 6 feet | 2.80 |

### Extra Javas

| | | |
|---|---|---|
| 44 | Black or wine, patent finish, waterproof, gilt or nickel head and ferrule, loop snap, 6 feet | $ 3.00 |
| 54 | Black or wine, star finish, fancy, gilt ferrule, japan cap, loop snap, 6 feet | 2.90 |
| 50 | Black or wine, satin finish, waterproof, rubber cap, two worked buttons, Philadelphia wire-wound snaps, 6 feet | 4.20 |
| 68 | Black or wine, smooth finish, extra long chased gilt ferrule, textile cap, Philadelphia wire-wound snap, 6 feet | 4.70 |
| 76 | Black or wine, enamel finish, 4 gilt buttons and textile cap, Philadelphia wire-wound snap, 6 feet | 5.00 |
| 80 | Black or wine, smooth finish, nickel or gilt spiral centre, three stitched buttons, Philadelphia wire-wound snap, 6 feet | 5.50 |

### Best Selected Stock

EXTRA QUALITY.

| | | |
|---|---|---|
| 88 | Black wine or amber, patent waterproof finish, extra chased gilt head and ferrule, loaded butt, Philadelphia wire-wound snap, 6 feet | 6.25 |
| 100 | Wine, black or amber, extra enamel finish, long gilt or nickel scroll head and ferrule, Philadelphia wire-wound snap, loaded butt, 6 feet | 6.50 |
| 118 | Black or wine, imperial finish, waterproof, long worked buttons, METALLIC LINED loaded butt, Philadelphia wire-wound snap, 6 feet | 6 [illegible] |
| 124 | Black, wine or amber, FINE RUSSET LEA HANDLE, worked buttons, extra stock, best imperial finish, Philadelphia wire-wound snap, 6 feet | 7 50 |

## DRIVING WHIPS

### Best Selected Stock Extra Quality Javas

| No. | | Price per doz. |
|---|---|---|
| **128** | Black or wine chased, nickel or gilt head and ferrule, RUSSET LEATHER HANDLE, best waterproof finish, wire wound Philadelphia snap, 6 feet | $ 8.50 |
| **162** | "OUR PETS," black or wine, fancy waved handle, extra fine gilt head and ferrule, imperial finish, silk twisted snap, wire wound, 6 feet | 8.75 |
| **168** | "OUR PETS," black or wine, fancy corded waved, handle loaded, spiral wound, extra heavy head and ferrule, 6 feet | 9.00 |

### Straight Rawhides

| | | |
|---|---|---|
| **194** | Wood butt, rawhide, black or wine, imperial finish, plain buttons, Philadelphia snap, 6 feet | $ 5.40 |
| **198** | Wood butt, rawhide, black or wine, imperial finish, extra gilt or nickel mountings, Philadelphia snap, 6 feet | 6.25 |

### Extra Rawhide Whips Made Only of Very Best Rawhide Centres, Guaranteed First Quality

| | | |
|---|---|---|
| **204** | Rawhide centre, 3 1-2 feet, black or wine, plain textile buttons, imperial finish, waterproof, Philadelphia snap, wire wound, 6 feet | $ 8.50 |
| **208** | Rawhide centre, 3 1-2 feet, black or wine, extra fine mountings, imperial finish, Philadelphia twisted snap | 9.50 |
| **220** | Rawhide centre, 4 feet, black or wine, star finish, extra fine gilt and enamel head and ferrule, OIL SKIN LINED, Philadelphia silk-twisted snap | 14.00 |
| **230** | "CYCLONE," rawhide, full length centre, through cap, double cover, RUBBER LINED, three plain black buttons, wine or black, finest ivory finish, English silk twisted snap, 6 feet | 15.00 |
| **232** | "CYCLONE," rawhide, centre runs from handle to tip, heavy wrought iron spikes, RUBBER LINED, double cover, three plain black buttons, best ivory enamel finish, finest all silk snap, 6 feet | 16.00 |
| **234** | Rawhide, guaranteed full length, through cap, Philadelphia snap | 11.00 |
| **240** | "NOR'-WEST," rawhide, 4 ft. centre, double cover, first cover platted with fine SPRING WIRE and linen thread (positively unbreakable), extra heavy-beaded head and ferrule, wine or black ivory, waterproof finish, Philadelphia silk-twisted snap (Patent applied for), 6 feet | 20.00 |
| **240A** | "NOR'-WEST," with waved handle, three worked buttons, rubber cap, otherwise as 240 | 21.00 |
| **248** | "PLYMOUTH ROCK," rubber and Textilene, lined rawhide, the lining runs through the loop, making the strongest rawhide whip ever manufactured; these whips have been tested in all kinds of weather and will keep their shape better than any other rawhide made; black or wine ivory finish, all plain black buttons, all silk, Philadelphia twisted snap (Pat. in Canada, Feb. 16th, 1894), 6 feet | 20.00 |
| **252** | "PLYMOUTH ROCK," with very finest combination gilt and enamel mountings, otherwise like 248 | 25.00 |

### Whalebone Whips

#### Warranted Best No. 1 Arctic Whalebone

| No. | | Price per doz. |
|---|---|---|
| **286** | Black, 1-4 bone, plain black buttons, imperial finish, Philadelphia snap, wire-wound, 6 feet | $ 8.25 |
| **288** | Black, 1-4 bone, fine chased mountings, linen lined, imperial finish, Philadelphia snap, wire-wound | 10.00 |
| **290** | Black, 2 feet bone, heavy chased nickel or gilt head and ferrule, linen lined, Philadelphia snap, wire-wound | 15.00 |
| **296** | Black, 1-2 bone, buck lined, plain black buttons, best waterproof rubber finish, silk-twisted snap, 6 feet | 15.00 |
| **300** | Black, 1-2 bone, extra fine, SILK STITCHED RUSSET LEATHER HANDLE, extra quality, gilt head and ferrule, buck lined, Philadelphia silk snap | 20.00 |

### Team Whips

| | | |
|---|---|---|
| **434** | White lash top, brown handle, two russet buttons, Japan cap, 6 1-4 feet | $ 5.00 |
| **448** | Black body, white lash top, two long extra chased ferrules, Japan caps and stitched head button, 7 1-2 feet | 8.00 |
| **456** | "LIVE OAK" TEAM—with twisted stock, black Japan cap, two leather or stitched buttons, 7 1-2 feet linen or horsehide lash, 6 1-2 feet | 8.50 |
| **558** | Black body, white or colored horsehide top, logded butt, extra heavy head and ferrule, braided snap | 9.50 |
| **464** | RAWHIDE, three stitched buttons, wire-wound, open centre, Jap cap, loop snap, 6 feet | 10.00 |

### Riding Whips

| | | |
|---|---|---|
| **490** | Red or black, white, red, russet or black buttons, loop snap, 3 feet | $ 1.25 |
| **502** | Wine or black, extra stock, loaded, gilt or nickel head or ferrule, imperial rubber finish, Philadelphia wire-wound snap, 3 feet | 3.50 |
| **494** | Rawhide, riding, black or russet, platted through, stitched buttons and hand loop, loop snap | 4.60 |
| **530** | Whalebone, black handle, gilt head and ferrule, imitation gut top, oil finish, twisted silk snap, 3 feet | 11.50 |

### Track Whips

| | | |
|---|---|---|
| **410** | Black, FULL LENGTH RAWHIDE, textile buttons, best ivory finish, twisted silk snap, wire bound, 4 feet 4 inches | $12.00 |
| **420** | Black. WHALEBONE THROUGH, best ivory waterproof finish, DOUBLE COVER, English silk twisted snap, 4 feet 4 inches | 20.00 |

### Tandem or Coach Whips

| | | |
|---|---|---|
| **500** | Wine color body, fine white bow top, IMITATION OF ENGLISH QUILL TOP, extra heavy gilt head and ferrule, Philadelphia snap, 8 feet | 16.00 |

## HORSE POKES

**Dictator**

Per dozen..... $3.65

**Montreal**

Per dozen..... $6.00

**Champion**

Per dozen..... $3.65

**Climax**

Per dozen..... $5.25

**Dominion**

Per dozen..... $5.5

Pearson's Patent H
I. X. L. Horse Poke

## ORSE POKES

Pearson's Patent

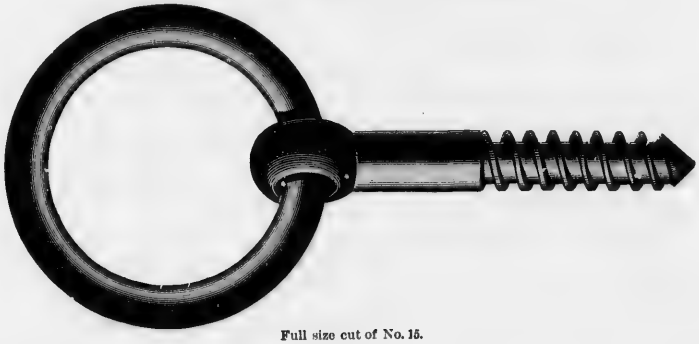
### I. X. L.

This Poke has no equal in the world. It will prevent the worst of unruly mules or horses from pushing or jumping fences or being injurbd by barbed wire, and is made extra strong. The head or cross piece is hinged at one end and closes with a spring lock at the other end. The essence of strength and convenience. Patented in U. S., November 9th, 1886; in Canada, July 2nd, 1887.

Pearson's Patent Horse Pokes ..... Per dozen $9.00
I. X. L. Horse Poke ..... Per dozen 9.00

## HITCHING RINGS

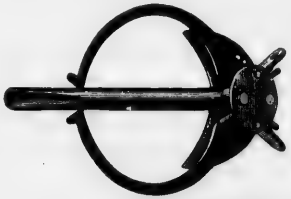
Wrought Screw. Wrought Ring. Solid Forged Eye.



Full size cut of No. 15.

No. **15**—Wrought Hitching Rings, 2 1-2 inch, plain ..... Per dozen $1.00
No. **5**—Steel Screw, Malleable Ring ..... Per dozen .75

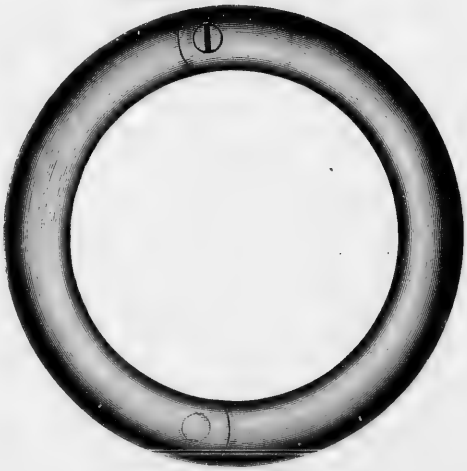
One dozen in a box.



## Ox Bow Pins

No. **71**—Malleable iron, 1 3-4 inch, steel spring, japanned .... Per dozen $1.05

One-sixth gross in a box.



Full size cut of No. 25.
Screw Drivers or Keys are not packed with this Ring, as it can be opened with any small Screw Driver.

## Bull Rings

### Polished Copper

With Keys.

| Nos. | 21 | 22 |
|---|---|---|
| Inch | 2 1-2 | 3 |
| Per dozen | $2.25 | 3.00 |

One dozen in a box.

No. **25**

### Pure Bronze Cannon Metal

Extra Large and Strong.

3 1-2 inch diameter, 7-16 inch Cannon Metal.
Per dozen ..... $12.00

Quarter dozen in a box.

## PATENT BULL SNAPS

C Plate.

No. **500**—Complete without handle ....Per dozen $5.50
With three feet of chain and three screw eyes (all C Plate.)

## CATTLE LEADERS

No. 2.
Half size cut.

No. **1**—Bright, with brass wire spring ..Per dozen $1.00
No. **2**—Bright, with brass wire spring ..Per dozen 1.10

One dozen in a box.

## Cast Brass Ox Balls

No. 12.

No. 13.

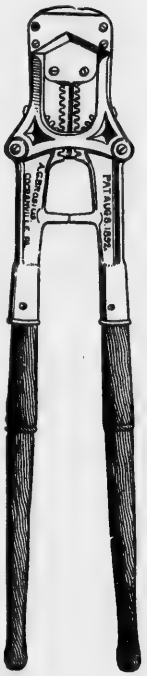
No. 14.

No. 5.

No. **12**—Octagon, light .....Per gross $ 7.50
No. **13**—Octagon, medium.....Per gross 8.25
No. **14**—Octagon, medium.....Per gross 9.75
No. **5**—Octagon, heavy..... ....Per gross 18.75

Half gross in a box.

## KEYSTONE DEHORNING CLIPPERS




The most simple, yet the most powerful. Consists of frame, blade and two handles.

No chute required, and the only clipper that does not need one in any case.

The moving blade comes out to grind or file by turning handles back.

New blades can be fitted in in five minutes.

No bending. Made of the best malleable iron; handles, rock maple; blades are of the finest steel, and of the special temper required for this work.

The parts are all made interchangeable, so they can be replaced at any time.

The most humane method, as the horn can be taken off instantly with a rapid motion in the cow's own stable, without scaring her, as is always the case when forced into a chute.

Does not crush any horns as a knife cutting from one or two sides does in case it is hard and brittle.

Can be carried in a buggy box, ready to do work at any time, and not be in the way.

One can cut any horn instantly without twisting it off. No twisting motion or second cut on a horn.

Does not cut all the shell of the horn first, as a circular blade does, while handles are open too wide to have the best power, but begins at four spots with a sliding cut which requires much less power then a direct cut.

The Keystone Clipper is approved by veterinary surgeons.

The Keystone Clipper is approved by leading dairymen.

The Keystone knife is formed by two V-shaped knives coming together, thus giving four cutting blades. They have a sliding cut, similar to two sets of shears working in opposite directions. The levers are attached to the knives with cogs in such a way as to give the power of forty-eight men on the knives. It is 3 feet 8 inches long, and about 8 inches across the widest place. The blades will open 5 inches, and it is 3 1-2 inches between the sides of frame. When the handles are doubled back to carry, it is only 3 feet long, and the weight is about 14 lbs.

Clippers only ..... Each $10.00
Complete, with leader and rope, extra blades and screws ..... Each 12.00

This outfit is fully guaranteed. Should it break or give out through any defect, it will be replaced any time within one year.

### Calf Weaners

Malleable Iron.

Hill's Adjustable Calf Weaners ..... Per dozen $2.75

One-twelfth dozen in paper folder.

## TUBULAR LANTERNS

Climax Crank.

Climax Lift.

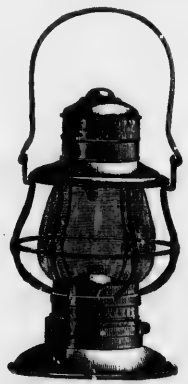
Climax Dash Reflector.

| Description | | Crank | | Lift | | Dash Reflector |
|---|---|---|---|---|---|---|
| Plain finish | per dozen | $ 6.25 | ..... | 6.25 | ..... | 8.50 |
| Japanned, blue or red | per dozen | 7.00 | ..... | 7.00 | ..... | 9.50 |

Can supply with colored globes if required.

### Wright's Hinge Lantern

### Railroad Lantern



| | | Plain | Japanned Red | Hinge Dash, Japanned |
|---|---|---|---|---|
| B Hinge | Per dozen | $ 6.25 | 7.00 | 9.50 |

Dash Lanterns with Bulls Eye Globes 90 cents per dozen extra.

**No. 2—American Side Spring, Safety, Oval Tube**

No. 2 BURNER, 1 INCH WICK.

Large retinned oil fount, new inside guard, locked glass flange and burner, globe removable without taking off guard..... Per dozen $11.00

All above one dozen in a box.

**Railroad Lanterns**

No. 39—Railroad Lantern, ratchet burner..... Per dozen 9.00
No. 39—Railroad Lantern, ratchet convex burner, for coal oil..... Per dozen 9.50

## TUBULAR LANTERNS

**No. 2—Round Tube, "Cold Blast," Bottom Lift**

No. 2 BURNER, 1 INCH WICK, No. 0 GLOBE.

This lantern is made on same principle as the celebrated Globe street lamp, with wind break around the top, making it a very desirable lantern for use in places where there are strong drafts of wind. It is specially adapted for use in mills and other places where there is considerable dust, as the burner will not clog up.

The one piece tubes are strongly made without elbows or joints. Globes easily raised to light and trim, and removable without disturbing guard. GIVES A FINE LIGHT.

Per dozen ..... $16 00

Half dozen in a box.

### "Gem" Tubular Lantern

**Solid Brass, Nickel-plated**

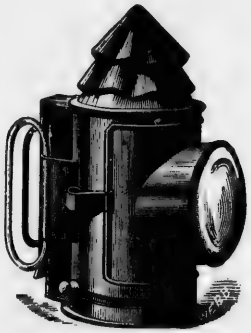
No. 00 BURNER, 1-2 INCH WICK, No. 00 GLOBE

This is a perfect lantern in its burning qualities. The light produced is stronger and brighter than that of any lantern using a 5-8 inch burner, it will not blow out in the wind and will not smoke, nor will the oil sweat through the brass, which is the usual objection in a brass lantern. It is nicely finished and of convenient size for use where a small lantern is required.

Per dozen ..... $19 00

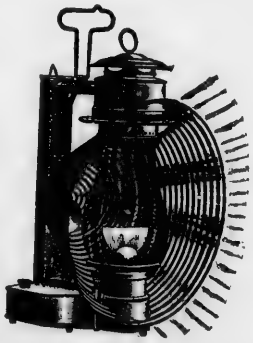
One dozen in a box.

## POLICE LANTERNS



| Inch | 2 3-4 | 3 | HIATT'S |
|---|---|---|---|
| Per dozen | $7.50 | 8.25 | 22.50 |

## Tubular Search Light



**No. 20—Tubular Search Light**

**No. 0 TUBULAR GLOBE, No. 2 BURNER, 1 INCH WICK.**

It throws a brilliant and steady light out of doors as well as inside, without smoking or flickering, and is not affected by the wind or strong drafts. Specially adapted where a strong light is required to be spread over a large space, as in stables, mills, warehouses, picnic grounds, etc.

Per dozen ..... $33.00

## LAMP BURNERS

Full size cut No. 1 or A.

| Nos. | 0 | A | B |
|---|---|---|---|
| Per dozen | $1.00 | 1.05 | 1.50 |

### Lantern Burners

For tubular lanterns ..... Per dozen $1.00

One dozen in a box.

### Lamp Wick

**Star Brand**

| | |
|---|---|
| Nutmeg, cut or on cards | Per gross $0.40 |
| No. **0**—Small, cut or on cards | Per gross .50 |
| No. **A**—Medium, cut or on cards | Per gross .70 |
| No. **B**—Large, cut or on cards | Per gross 1.00 |
| No. **D**—1 1-2 inch wide | Per gross 1.60 |
| Sun Duplex or Climax | Per gross 2.00 |
| Duplex (regular) | Per gross 3.00 |
| Rochester | Per gross 8.00 |
| Royal | Per gross 9.00 |

### Oil Stove Wick

| | |
|---|---|
| 3 1-2 inch | Per gross pieces $5.50 |
| 4 inch | Per gross pieces 6.00 |
| 4 1-2 inch | Per gross pieces 6.50 |
| 5 inch | Per gross pieces 7.00 |

One-quarter gross in a package.

### Cotton Candle or Miners' Wick

IN BALLS.

Cotton Candle or Miners' Wick ..... Per pound $0.45

Five or ten pounds in a package.

### Lamp Chimneys

**Crimp Top**

| | |
|---|---|
| No. **0**—Six dozen in a case | Per dozen $0.48 |
| No. **A**—Eight dozen in a case | Per dozen .50 |
| No. **B**—Six dozen in a case | Per dozen .70 |

**Quaker Flint**

| | |
|---|---|
| No. **0**—Six dozen in a case | Per dozen $0.65 |
| No. -—Eight dozen in a case | Per dozen .65 |
| No. **B**—Six dozen in a case | Per dozen .90 |
| Rochester Flint Chimneys | Per dozen 1.40 |

### Lantern Globes

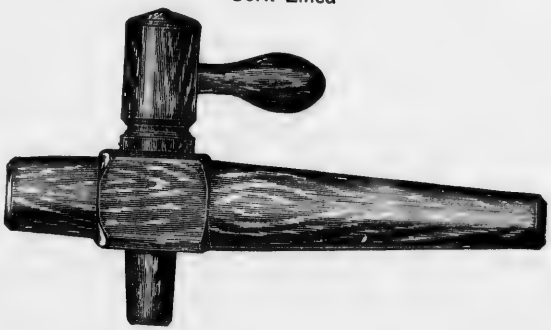
| | |
|---|---|
| Ordinary Tubular Lantern Globes, clear glass | Per dozen $0.30 |
| Ordinary Tubular Lantern Globes, RUBY | Per dozen 3.75 |
| Bull's Eye Tubular Lantern Globes | Per dozen 2.30 |
| Railroad Lantern Globes | Per dozen 2.00 |

## WOOD FAUCETS

### Universal

| | | | | | |
|---|---|---|---|---|---|
| Inch | 8 | .... | 9 | | |
| Per dozen | $1.80 | .... | 2.40 | | |

### Cork Lined



| | | | | | |
|---|---|---|---|---|---|
| Nos. | 4 | .... | 6 | .... | 8 |
| Inch | 8 | .... | 9 | .... | 10 |
| Per dozen | $0.75 | .... | .90 | .... | 1.05 |

| | | | | | |
|---|---|---|---|---|---|
| Nos. | 2 | .... | 3 | .... | 4 |
| Inch | 8 | .... | 8 1-2 | .... | 9 1-2 |
| Per dozen | $1.30 | .... | 1.45 | .... | 1.75 |

REDLICH'S Faucets, 16 inch, for ice chests ..... Per dozen $4.25

## WINE FAUCETS

No. 323½.
FAST KEY.

No. 325½.
LOOSE KEY.

**No. 323 1-2—Fast Metal Key, Varnished**

| Nos | 0 | 1 | 3 | 4 |
|---|---|---|---|---|
| Length, inch | 6 1-2 | 7 | 8 1-2 | 9 |
| Per dozen | $1.15 | 1.20 | 1.75 | 2.05 |

**No. 325 1-2—Loose Metal Key, Varnished**

| Nos | 0 | 1 | 3 | 4 |
|---|---|---|---|---|
| Length, inch | 6 1-2 | 7 | 8 1-2 | 9 |
| Per dozen | $1.30 | 1.50 | 1.95 | 2.40 |

Half dozen in a package.

## Bottle Corkers

**No. 350**—Varnished Maple Bottle Corkers, zinc lined ..... Per dozen $5.00

Half dozen in a package.

## Champagne Taps

No. 20430. 1 Inch Screw (not full length as shown in cut).

**No. 20430**—Nickel-plated Champagne Taps ..... Per dozen $9.00

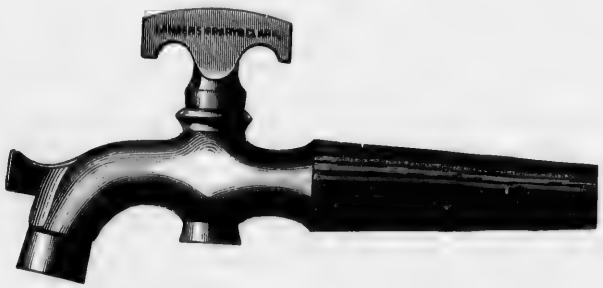
## Horse Shoe Magnets

| Inch | 3 | 4 | 5 | 6 | 8 |
|---|---|---|---|---|---|
| Per dozen | $1.90 | 2.75 | 3.75 | 5.25 | 9.00 |

## BRASS RACKING COCKS

### Fast Key to Drive

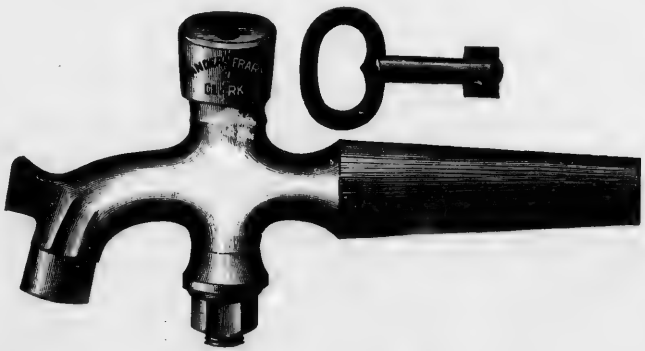
Yellow Metal.



| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-3 |
|---|---|---|---|---|---|---|---|
| Per dozen | $6.00 | 8.00 | 9.50 | 12.00 | 17.25 | 23.50 | 33.00 |

### Loose Key to Drive

Yellow Metal.



| Inch | 3-8 | 7-16 | 1-2 | 5-8 |
|---|---|---|---|---|
| Per dozen | $6.75 | 8.10 | 9.00 | 9.50 |

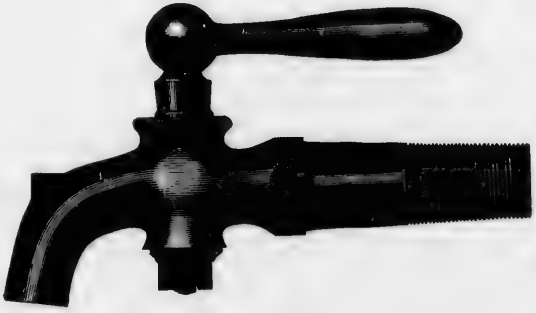
Half dozen in a box or package.

## MOLASSES AND OIL GATES

STEBBINS' PATTERN.

| No. | Bore, inch | | Per dozen |
|---|---|---|---|
| 1 | 13-16 | .... | $ 7 00 |
| 2 | 7-8 | ... | 8.00 |
| 3 | 1 1-4 | .... | 9 00 |
| 4 | 1 3-8 | .... | 10.00 |
| 5 | 1 1-2 | .... | 12 00 |

Half dozen in a box.



### Petroleum Faucets

Japanned.

Lever Handle, Screw Shank, Key bushed with Brass.

| Bore, inch..... | 1-2 | 5-8 | 3-4 | 1 |
|---|---|---|---|---|
| Per dozen ..... | $ 5.75 | 6.00 | 7.00 | 8.25 |

1-2 inch, one dozen in a box ; other sizes, half dozen.

### Perfection Faucets

Japanned.

| | | |
|---|---|---|
| 1-2 inch bore. ..... | Per dozen | $ 9.50 |
| 3-4 inch bore. ..... | Per dozen | 12.00 |
| 1 inch bore. ..... | Per dozen | 14.00 |
| 1 1-4 inch bore. ..... | Per dozen | 16.50 |
| 1 1-2 inch bore. ..... | Per dozen | 20.00 |
| 2 inch bore. ..... | Per dozen | 28.00 |
| 3 inch bore. ..... | Per dozen | 36.00 |

Half dozen in a box.

Inspected and Stamped.

## VICTOR MEASURING FAUCETS

Patented.

These are the only Measuring Faucets allowed to be used by authority of the Dominion Government.

They can be applied to a barrel as easily as any other faucet or gate and are so constructed that a certain amount of liquid is forced through the faucet at every revolution of the handle, whether the liquid be thick or thin, hot or cold. Every faucet bears the stamp of the Dominion Government.

They will measure correctly in any quantity from 1-2 gill upwards.

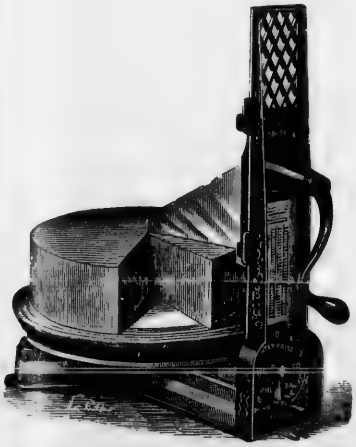
Japanned,

Index Dial Painted Red, Figures Bronzed.

Each ..... $5.00

## Enterprise Cheese Cutter

Self Gauging.



This machine obviates the hard labor of cutting with a hand knife. It is not designed to cut mathematically correct as to weight, but, if a pound or more is wanted, the customer can be accommodated with ONE piece which will be within a fraction of the desired weight, instead of giving two or three pieces, or leaving small pieces to dry out. It is beautifully finished in colors, with gilt ornamentation, and is of handsome appearance. The blade is tinned.

DIRECTIONS FOR USE.—The cheese is first weighed and placed on the platform. By referring to the scale or table posted on the column supporting the knife, you will find opposite the number representing the weight of the cheese the number of times the SMALL CRANK has to be turned to measure off a pound; then by turning the LARGE CRANK, the knife blade descends, cutting evenly, clearly and easily, and a pound is cut off by a single stroke.

Without Cover

Each ..... $15.00

With Cover

Each ..... 19.50

## BUNG STARTERS

No. 700

Made from selected timber. Well oiled.

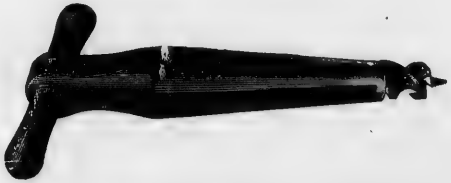
No. **700**—Hickory Bung Starters.....Per dozen $4.50

## Cooper's Hoop Drivers

Made from selected timber. Well oiled.

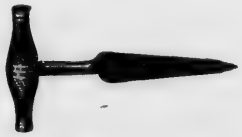
No. **681**—Hickory Hoop Drivers, with iron rings.....Per dozen $5.00

## Tap or Bung Borers



To sharpen the Stock or Reamer, file the inside of Slot only.

No. **1**—Boring from 5-8 to 1 1-2 inches.....Each $2.25
No. **2**—Boring from 1 1-8 to 2 inches.....Each 3.00
No. **3**—Boring from 1 1-2 to 3 inches.....Each 4.50



No. **4677**.—Cast Steel

| Inch | 1 1-4 | 1 1-2 | 2 |
|---|---|---|---|
| Per dozen | $6.50 | 9.00 | 13.50 |

Half dozen in a package.

## NAIL PULLERS

Style of Nos. 1079 and C1402.

No. **1079**—Samson Nail Puller.....Each $1.65
Scranton Nail Puller, heavy cast head.....Each 2.25
No. **C1402**—Wynns' Nail Puller.....Each 3.25

## Box Scrapers

Double Handle.

No. **12**—5 inch blade, white handle, side rivetted.....Per dozen $7.50

Half dozen in a box.

## Box Scrapers

Single Handle.

## Ship Scrapers

Single Handle.

**Box Scrapers, Single Handle**

No. **1**—Cast steel, 3 3-4 inch blade.....Per dozen $6.75

**Ship Scrapers**

Ship Scrapers, cast steel, 5 inch blade, socket handle.....Per dozen 5.50

Half dozen in a box or package

## Box Chisels

Wrought Iron, Steel Faced, Japanned.

No. **72**—Whole length, 12 inches.....Per dozen $4.75

Half dozen in a box.

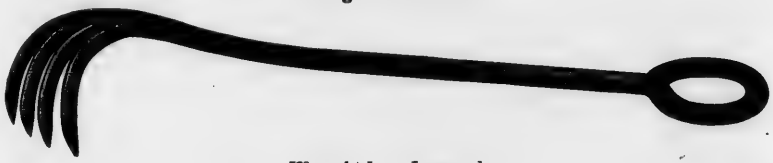
## CAST STEEL COLD CHISELS

Solid Cast Steel, Octagon.

| Inch | 1-2 | 5-8 | 3-4 | 7-8 | 1 |
|---|---|---|---|---|---|
| Per dozen | $1.20 | 2.00 | 2.75 | 3.75 | 4.25 |

Half dozen in a box.

## Wrought Nail Claws



Wrought Iron, Japanned.

No. 1—Wrought Nail Claws, japanned ..... Per dozen $8.25

## Wrought Nail Tongs

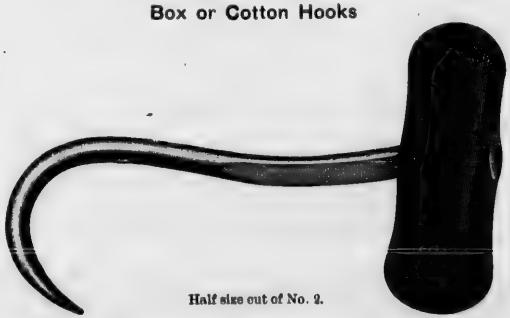
One-third size cut of No. 11.

Wrought Iron, Japanned.

No. 11—Wrought Nail Tongs, japanned ..... Per dozen $18.00

Loose, not packed.

## Box or Cotton Hooks



Half size cut of No. 2.

No. 2—Cast steel, polished black handle, 8 inches ..... Per dozen $3.75

One dozen in a box.

## FRUIT AUGERS

3 prong, malleable iron, tinned, wood handle ..... Per dozen $ 12.00

## Fish Forks

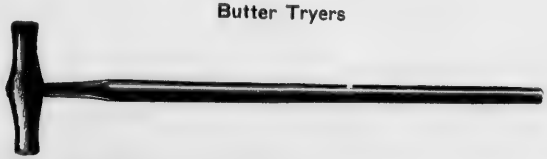
Malleable iron, tinned ..... Per dozen $10.50

## Cheese Tryers

No. 620 1-2—6 inch, polished cast steel, 1-2 inch wide ..... Per dozen $ 3.50
No. 617 —6 inch, polished cast steel, tapered 9-16 to 3-4 inch ..... Per dozen 5.75
No. 620 N —5 inch, cast steel, nickel plated, 1-2 inch wide ..... Per dozen 4.25
No. 620 N —6 inch, cast steel, nickel plated, 1-2 inch wide ..... Per dozen 4.50

Half dozen in a box.

## Butter Tryers



No. 625 N —3-4 x 20 inch, ring handle, cast steel, nickel plated ..... Per dozen $16.00
No. 627 1-2 —5-8 x 18 inch, wood T handle, cast steel, polished ..... Per dozen 9.00
No. 627 1-2 N—1 x 18 inch, wood T handle, cast steel, nickel plated ..... Per dozen 18.00

Half dozen in a package.

## PEG BREAKS.

No. 12. No. 15. No. 50.

| | | |
|---|---|---|
| No. 12. | Cast Steel | Per Dozen, $ 5.50 |
| No. 15. | Cast Steel, Adjustable | Per Dozen, 8.50 |
| No. 50. | Counter Peg Break, Adjustable, with Last and Clinchers | Per Dozen, 30.00 |
| No. 50. | Extra Cutters | Per Dozen, 13.50 |

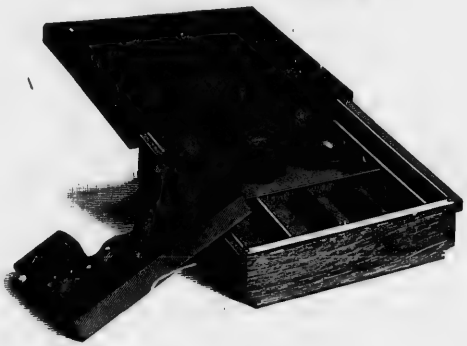
PACKED AS WANTED.

## Ice Creepers.

"Rival," Reversible ..... Per Dozen Pairs, $2.00

ONE DOZEN PAIRS IN A BOX.

## TUCKER'S ALARM TILLS



No. 2.

No. 2—Stained front, plain coin tray, 4 1-2 x 16 1-2 inch front, 16 1-2 inches deep..... .....Per dozen $24.00

Half dozen in a crate.

## Japanned Cash Boxes

| Inches | 9 | 10 | 12 |
|---|---|---|---|
| Per dozen | $13.50 | 15.75 | 17.25 |

## Adjustable Stove Trucks

Patented July 6th, 1880. Improved June, 1893.

Wrought Iron Frame, with Malleable Iron Clamps and Thumb Screws. Mounted on Martin's Double Wheel Casters. Full Spread, 24 x 36 inches. Carries stove four inches from floor.

"The Daisy" Stove Truck..... .....Per dozen $33.00

## The "Improved Adjustable"

Round Steel Rods. Malleable Iron Fittings. Mounted on Martin's Double Wheel Casters. Adjusts 18 x 24 to 30 x 40 inches, 2 1-2 inches high.

Per dozen..... $30.00

Half dozen in a crate.

## TOBACCO CUTTERS

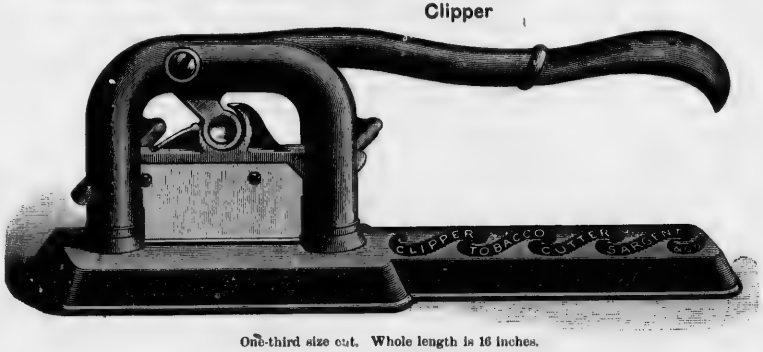
No. **2**

**Tuscan Bronzed, Polished Blade**

Per dozen.....$9 00

One-third size cut of No. 2.

### Clipper

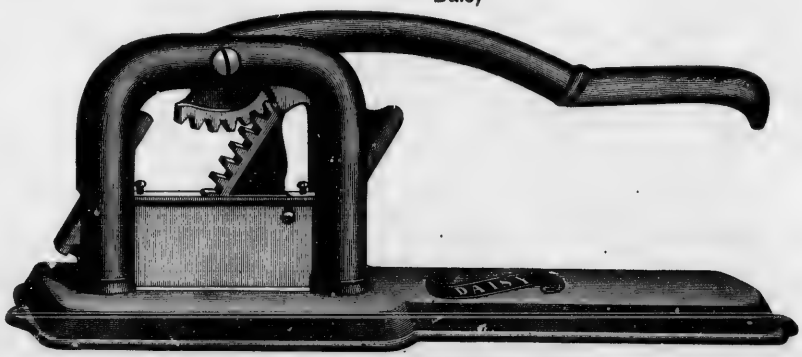



One-third size cut. Whole length is 16 inches.

**Bronzed and Ornamented**

No. **12**—Clipper, size of opening 7-8 x 3 1-4 inches.....Per dozen $21.00

### Daisy

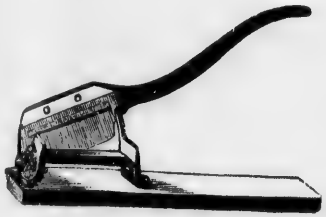



One-third size cut. Whole length is 17 1-4 inches. Patented.

**Bronzed and Ornamented, with Gauge**

No. **21**—Daisy, size of opening 1 3-4 x 4 inches.....Per dozen $24.00

## TOBACCO SHAVES



**Japanned. 3 Inch Knife**

Per dozen.....$5.25

For Shaving Fine Cut from Plug for Smoking in Pipes.

One-third dozen in a package.

## Boot Jacks

One-third size cut of Nos. 4 and 14.

**Beetle Pattern**

No. 4—Japanned.....Per dozen $3.25
No. 14—Bronzed.....Per dozen 3.75

One-third size cut No. 15.

No. 15—Berlin Bronzed.....Per dozen $3.00

Half dozen in a package.

## Cork Pressers

Half size cut.

No. 2—Japanned.....Per dozen $2.75

One-third dozen in a package.

## TWINE BOXES

Half size cut of No. 76. Patented.

Berlin Bronzed.

No. **76**—Berlin Bronzed.....Per dozen $7.50

One-sixth dozen in a box.

Half size cut of No. 13

Patent Catch.

No. **13**—Copper Bronzed.....Per dozen $2.50

Half dozen in a box.

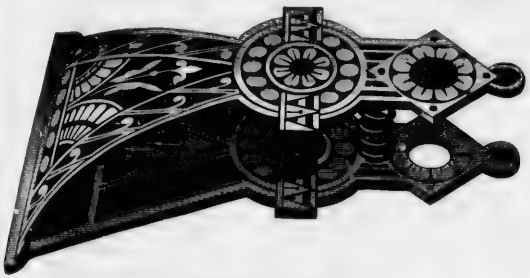
Half size cut of No. 43. Patented.

Copper Bronzed.

No. **43**—Copper Bronzed.....Per dozen $6.75

One-sixth dozen in a box.

## PAPER CLIPS



Full size cut of No. 40.

No. **40**.

Berlin Bronzed.

Per dozen ..... .....$1.10

Full size cut of No. 55.

No. **50**.

With Pins.

No. **50**—Berlin Bronzed.....Per dozen $1.65

No. **55**.

With Pins and Screw Holes in Back Plate.

Packed with Screws.

No. **55**—Berlin Bronzed.....Per dozen $1.90

One dozen in a box.

## Paper Files

Half size cut of No. 37. Patented.

No. **37**.

Berlin Bronzed.

Per dozen.....$1.60

One dozen in a box.

## Paper File Hooks

Half size cut of No. 24. Patented.

No. **24**—Tuscan Bronzed...Per dozen $0 80

One dozen in a box.

## CLIMAX WAREHOUSE AND BAGGAGE TRUCK

**A combination suitable for boxes, barrels and bags, or for moving baggage in hotels.**

Never place points of truck under barrel or box.

Points will hold load from sliding or rolling in any direction.

The advantages of this Truck over all others on the market are, it is so constructed it will handle successfully boxes, barrels, and bags equally as well as trucks designed for each special purpose. Having but one handle, it can be used to advantage where a two-handle Truck would be useless, especially around ends of counters, or in a crowded room. The points are a decided improvement over the old style flat nose, for with them it is not necessary to push box or barrel over from truck to place them under, thereby causing an unnecessary lift to load.

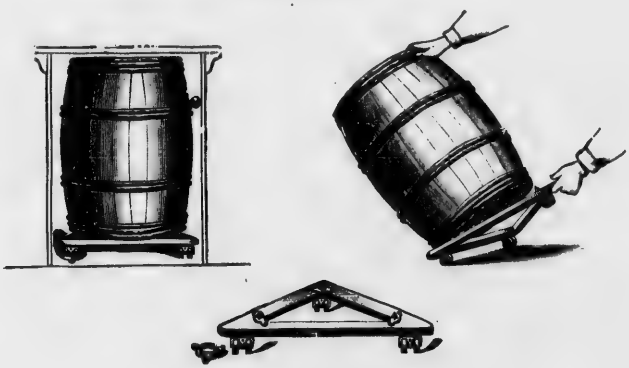
NEVER PLACE POINTS UNDER BARREL OR BOX, but pull the same over to the Truck until it is on a balance, as in cut. Now run Truck as far as it will go; let barrel or box rest on Truck and it is loaded, points naturally coming three to six inches from bottom and catching and holding load from sliding or rolling off in any direction. When handling bags, turn swinging nose, which is held in place by springs, over on points to protect bag.

It is small and may be kept in any corner and out of the way, where it will be convenient and scarcely seen. Occupies, when not in use, only 8 x 12 inches floor room. Is 3 1-2 feet long, 1 foot wide and weighs only 13 pounds, yet it is so constructed that it is very strong, and has been thoroughly tested. The old style truck, on account of the size, is usually kept in the cellar or warehouse, and is frequently more trouble to go after than to move the goods by hand.

This Combination Truck is just the truck for store, mill or granary, and the reasonable price at which it is sold brings it within the reach of all.

Each ..... $1.65

### Dandy Truck



Mounted on patent caster, with floor cup.

Strong and durable.

Can be used for moving barrels, boxes or bales, and by fastening floor cup to floor, forms a first class barrel swing underneath counter.

Occupies little space and can be hung against the wall when not in use.

Each ..... $1.65

## WAREHOUSE TRUCKS

| | Length. | Width. | Diameter of Wheels. | |
|---|---|---|---|---|
| No. 1 | 4 feet 4 inches | 1 foot 7 inches | 6 inches | Each $ 9.00 |
| No. 2 | 4 feet 8 inches | 1 foot 9 inches | 8 inches | Each 12.00 |
| No. 3 | 4 feet 11 inches | 2 feet | 10 inches | Each 16.00 |
| No. 4 | 5 feet 4 inches | 2 feet | 11 inches | Each 20.00 |

## Bag Trucks

No. 1.

For handling small boxes, kegs, bags or packages.

No. 1—With Concave Cross Bars and Cast Iron Nose Plate, length 3 ft. 7 in., diameter of wheels 6 in.....Each $3.50

### The Handy

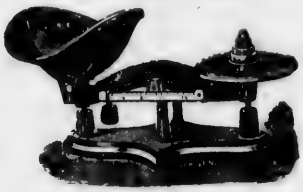
Length 3 ft. 10 in., diameter of wheels 6 in.....Each $2.25

## CHAMPION SCALES

Manufactured by CHAMPION SCALE Co., Hamilton, Ont.

Complete Descriptive List of all classes of Scales sent on application.

With Iron Weights, complete.



### Even Balance Scale

WITH SIDE BEAM.

| | Price. | Stamping |
|---|---|---|
| Capacity, 1-4 oz. to 4 lbs | $5.00 | .30 |
| Capacity, 1-4 oz. to 10 lbs | 7.50 | .50 |

NOTE.—The 4-lb. Scales are packed six in a box, without extra charge for boxing. If ordered less than six in a box an extra charge of 15 cents per scale will be made for boxing.

With Tin Scoop.

### Union Scale

WITH TIN SCOOP.

| | Price. | Stamping. |
|---|---|---|
| Capacity, 1-2 oz. to 240 lbs | $11.00 | .50 |

### Platform Scale

WITH WHEELS.

| | Price. | Stamping. |
|---|---|---|
| Capacity, 600 lbs | $28.00 | 1.00 |
| Capacity, 1200 lbs | 35.00 | 1.00 |

## PORTABLE PLATFORM SCALES

WITH BRASS SLIDING POISE AND HEAVY BEVEL EDGE PLATFORM.

### Without Wheels

| New Nos. | Old Nos. | Capacity | Platform | Price | Stamping |
|---|---|---|---|---|---|
| **20** | 11 1-2 | 400 lbs. | 21 x 15 in. | $23.00 | $0.75 |
| **22** | 11 | 600 lbs. | 25 x 16 in. | 27.00 | 1.00 |
| **24** | 10 1-2 | 1000 lbs. | 28 x 17 in. | 32.00 | 1.00 |
| **26** | 10 | 1200 lbs. | 28 x 19 in. | 36.00 | 1.00 |
| **28** | 9 | 1500 lbs. | 28 x 21 in. | 41.00 | 1.00 |
| **30** | 8 | 2000 lbs. | 31 x 24 in. | 46.00 | 1.00 |
| **32** | 7 | 2500 lbs. | 31 x 24 in. | 53.00 | 1.50 |

Pillar Braces on Nos. 9, 8, 7.

### With Wheels

| New Nos. | Old Nos. | Capacity | Platform | Price | Stamping |
|---|---|---|---|---|---|
| **34** | 11 1-2 | 400 lbs. | 21 x 15 in. | $20.00 | $0.75 |
| **36** | 11 | 600 lbs. | 25 x 16 in. | 30.00 | 1.00 |
| **38** | 10 1-2 | 1000 lbs. | 26 x 17 in. | 35.00 | 1.00 |
| **40** | 10 | 1200 lbs. | 28 x 19 in. | 40.00 | 1.00 |
| **42** | 9 | 1500 lbs. | 28 x 21 in. | 45.00 | 1.00 |
| **44** | 8 | 2000 lbs. | 31 x 24 in. | 51.00 | 1.00 |
| **46** | 7 | 2500 lbs. | 31 x 24 in. | 58.00 | 1.50 |

Pillar Braces on Nos. 9, 8, 7.

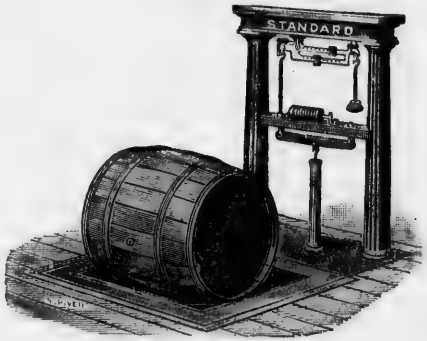
### With Wheels and Drop Lever

| New Nos. | Old Nos. | Capacity | Platform | Price | Stamping |
|---|---|---|---|---|---|
| **48** | 10 1-2 | 1200 lbs. | 26 x 17 in. | $42.00 | $1.00 |
| **50** | 10 | 1500 lbs. | 28 x 19 in. | 48.00 | 1.00 |
| **52** | 9 | 2000 lbs. | 28 x 21 in. | 55.00 | 1.00 |
| **54** | 8 | 2500 lbs. | 31 x 24 in. | 62.00 | 1.50 |
| **56** | 7 | 3000 lbs. | 31 x 24 in. | 70.00 | 1.50 |

Pillar Braces on all sizes.

## DORMANT WAREHOUSE SCALE

Two Iron Pillars.



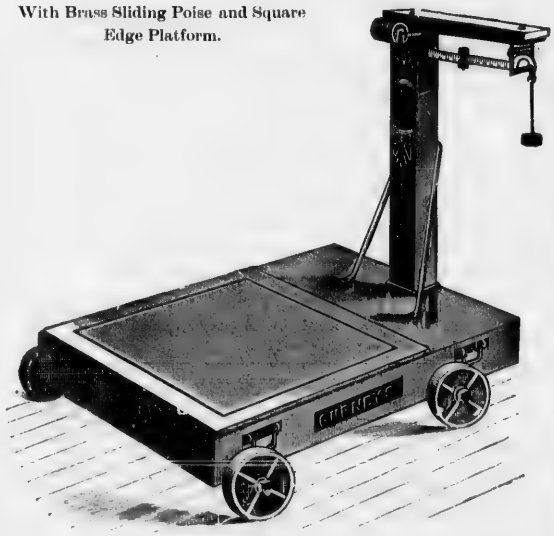

**Single Beam, with Sliding Poise and Graduated Counterpoise**

| No. | Capacity. | Size of Platform. | Price. | Stamping. |
|---|---|---|---|---|
| **440** | 3000 lbs. | 40 x 31 in. | $115.00 | $1.50 |
| **441** | 4000 lbs. | 48 x 42 in. | 130.00 | 1.50 |
| **442** | 5000 lbs. | 48 x 48 in. | 160.00 | 2.00 |

**Double Beam, with Sliding Poises and Graduated Counterpoise.**

| No. | Capacity. | Size of Platform. | Price. | Stamping. |
|---|---|---|---|---|
| **445** | 3000 lbs. | 40 x 31 in. | $121.00 | $1.50 |
| **446** | 4000 lbs. | 48 x 42 in. | 136.00 | 1.50 |
| **447** | 5000 lbs. | 48 x 48 in. | 168.00 | 2.00 |

With Brass Sliding Poise and Square Edge Platform.



## Portable Warehouse Scale

WITH WHEELS.

| New No. | Old No. | Capacity. | Platform. | Price. | Stamping. |
|---|---|---|---|---|---|
| **66** | 1 | 5000 lbs. | 48 x 48 in. | $140 00 | $2.00 |
| **68** | 4 | 4000 lbs. | 42 x 44 in. | 110 00 | 1.50 |
| **70** | 5 | 3000 lbs. | 31 x 40 in. | 95 00 | 1.50 |
| **72** | 7 | 2500 lbs. | 25 x 34 in. | 85 00 | 1.50 |
| **74** | 9 | 2000 lbs. | 21 x 31 in. | 65 00 | 1.00 |

WITHOUT WHEELS.

| New No. | Old No. | Capacity. | Platform. | Price. | Stamping. |
|---|---|---|---|---|---|
| **76** | 1 | 5000 lbs. | 48 x 48 in. | $130 00 | $2.00 |
| **78** | 4 | 4000 lbs. | 42 x 44 in. | 100 00 | 1.50 |
| **80** | 5 | 3000 lbs. | 31 x 40 in. | 90 00 | 1.50 |
| **82** | 7 | 2500 lbs. | 25 x 34 in. | 80 00 | 1.50 |
| **84** | 9 | 2000 lbs. | 21 x 31 in. | 60 00 | 1.00 |

## Millers' and Grain Dealers' Scale

**With Brass Sliding Poise**

WITH WHEELS.

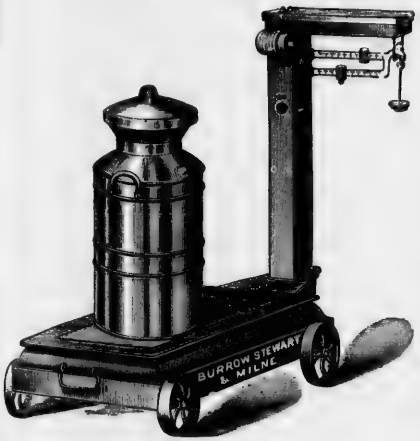
| No. | Capacity. | Platform. | Price. | Stamping. |
|---|---|---|---|---|
| **57** | 1500 lbs. | 36 x 30 in. | $65.00 | $1.00 |
| **58** | 1500 lbs. | 42 x 30 in. | 75.00 | 1.00 |
| **60** | 2000 lbs. | 42 x 30 in. | 80.00 | 1.00 |

WITHOUT WHEELS.

| No. | Capacity. | Platform. | Price. | Stamping. |
|---|---|---|---|---|
| **61** | 1500 lbs. | 36 x 30 in. | $60.00 | $1.00 |
| **62** | 1500 lbs. | 42 x 30 in. | 70.00 | 1.00 |
| **64** | 2000 lbs. | 42 x 30 in. | 75.00 | 1.00 |

## DAIRY SCALE

### Double Beam, with Sliding Poises




WITHOUT WHEELS.

| No. | Capacity. | Size of Platform. | Price. | Stamping. |
|---|---|---|---|---|
| **360**— | 600 lbs. | 25 x 16 inches..... | $30.00 | $1.00 |
| **361**— | 1000 lbs. | 26 x 18 inches..... | 35.00 | 1.00 |

## Union or Family Scale

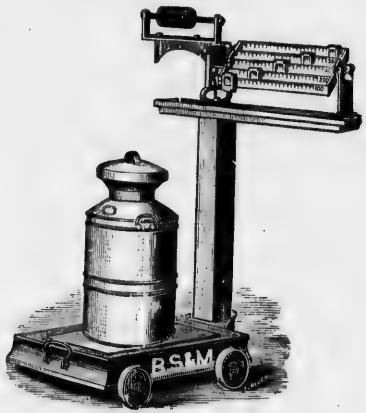
WITH SINGLE BEAM.

| No. | Capacity. oz. | Capacity. lbs. | | Price. | Stamping. |
|---|---|---|---|---|---|
| **215**— | ½ | to 240 | Tin Scoop, notched beams | $12.00 | $0.50 |
| **216**— | ½ | to 240 | Brass " " " | 13.00 | .50 |
| **220**— | ½ | to 240 | Tin Scoop, sliding poise.. | 13.00 | .50 |
| **221**— | ½ | to 240 | Brass " " " | 14.00 | .50 |

WITH DOUBLE BEAM.

| | | | | | |
|---|---|---|---|---|---|
| **225**— | ½ | to 240 | Tin Scoop, notched beams | 13.00 | .50 |
| **226**— | ½ | to 240 | Brass " " " | 14.00 | .50 |
| **230**— | ½ | to 240 | Tin Scoop, sliding poises. | 15.00 | .50 |
| **231**— | ½ | to 240 | Brass " " " | 16.00 | .50 |

## Five Beam Dairy Scale



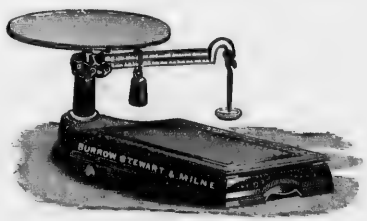

WITH WHEELS.

This Scale has a Compound Beam for weighing and registering separately the different quantities of milk as they are poured into the can, thus saving much time and trouble. No weights are used, as the weighing is all done with the poises.

| No. | Capacity. | Price. | Stamping. |
|---|---|---|---|
| **368**— | 600 lbs. | $48.00 | $1.00 |

## Union Meat Scale

### With Round or Square Porcelain Plate




WITH SINGLE BEAM.

| No. | Capacity. oz. | Capacity. lbs. | | Price. | Stamping. |
|---|---|---|---|---|---|
| **235**— | ½ | to 240 | With notched beam | $14.00 | $0.50 |
| **236**— | ½ | to 240 | With sliding poise. | 15.00 | .50 |

WITH DOUBLE BEAM.

| | | | | | |
|---|---|---|---|---|---|
| **240**— | ½ | to 240 | With notched beam | 15.00 | .50 |
| **241**— | ½ | to 240 | With sliding poises | 17.00 | .50 |

## CANADIAN COUNTER SCALE

**Nickel-Plated Beams and Sliding Poises**

## DOMINION COUNTER SCALE

**With Patent Automatic Scoop Balance**

**Nickel-Plated Beam, Poises and Scoop Balance**

**Double Beam, marked on both sides**

Capacity, 210 lbs. by oz.

Size of platform, 14 in. long; 11 in. wide

### Canadian Counter Scale

No. **514**—1 oz. to 200 lbs., platform 12 x 15 inches, brass scoop ..... ....Each $29.00 Stamping $0.50
No. **515**—1 oz. to 200 lbs., platform 12 x 15 inches, tin scoop .....Each 28.00 Stamping .50
No. **515 1-2**—1 oz. to 200 lbs., platform 12 x 15 inches, without scoop.....Each 27.00 Stamping .50

### Dominion Counter Scale

The Automatic Scoop Balance is now offered for the first time, and every grocer who uses it will find it a great saving in time, and it will also obviate liability to error. When scoop is placed on the platform, the ball on back end of beam automatically rolls to the right, thus balancing scale with scoop on, and when scoop is taken off scale, the ball rolls to the left balancing scale without scoop.

With large brass scoop, each $30.00. Stamping, $0.50.

## Even Balance Scale

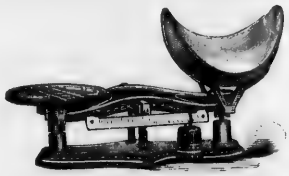
**Without Side Beam, with Iron Weights Complete**

WITH TIN SCOOP.

| New Nos. | Old Nos. | Capacity. | Price. | Stamping. |
|---|---|---|---|---|
| **306** | 1 | 1-4 oz. to 10 lbs. | $6.60 | $0.75 |
| **308** | 2 | 1-4 oz. to 6 lbs. | 5.40 | .70 |
| **310** | 3 | 1-4 oz. to 4 lbs. | 4.20 | .50 |
| | | WITH BRASS SCOOP. | | |
| **318** | 1 | 1-4 oz. to 10 lbs. | $7.80 | $0.75 |
| **320** | 2 | 1-4 oz. to 6 lbs. | 6.40 | .70 |
| **322** | 3 | 1-4 oz. to 4 lbs. | 5.10 | .50 |

## Even Balance Scale

**With Brass Side Beam, with Iron Weights Complete**



WITH TIN SCOOP.

| New Nos. | Old Nos. | Capacity. | Price. | Stamping |
|---|---|---|---|---|
| **330** | 1 | 1-4 oz. to 10 lbs. | $7.50 | $0.50 |
| **332** | 2 | 1-4 oz. to 6 lbs. | 6.00 | .45 |
| **334** | 3 | 1-4 oz. to 4 lbs. | 4.80 | .30 |
| | | WITH BRASS SCOOP. | | |
| **342** | 1 | 1-4 oz. to 10 lbs. | $8.70 | $0.50 |
| **344** | 2 | 1-4 oz. to 6 lbs. | 7.00 | .45 |
| **346** | 3 | 1-4 oz. to 4 lbs. | 5.70 | .30 |

## GROCERS' SCALES

### Grocers' Trip Scale

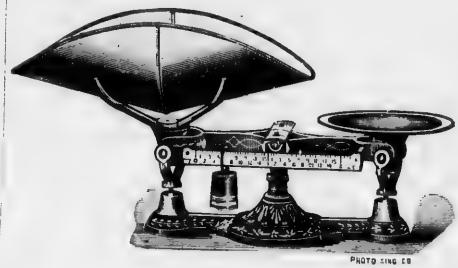
**Without Side Beam**

WITH TIN SCOOP.

| New Nos. | Old Nos. | Capacity. | Price. | Stamping. |
|---|---|---|---|---|
| **354** | 1 | ¼ oz. to 17 lbs. | $ 8.50 | $0.80 |
| **356** | 2 | ¼ oz. to 10 lbs. | 6.40 | .75 |
| **358** | 3 | ¼ oz. to 6 lbs. | 5.40 | .70 |
| | | WITH BRASS SCOOP. | | |
| **366** | 1 | ¼ oz. to 17 lbs. | $10.00 | .80 |
| **368** | 2 | ¼ oz. to 10 lbs | 7.60 | .75 |
| **370** | 3 | ¼ oz. to 6 lbs. | 6.30 | .70 |

### Grocers' Trip Scale

**With Side Beam**

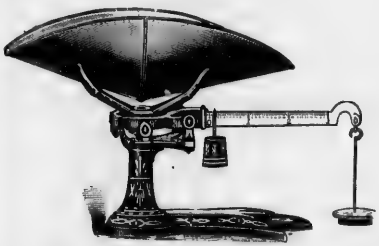


WITH TIN SCOOP.

| New Nos. | Old Nos. | Capacity. | Price. | Stamping. |
|---|---|---|---|---|
| **378** | 1 | ¼ oz. to 17 lbs. | $ 9.90 | $0.55 |
| **380** | 2 | ¼ oz. to 10 lbs. | 7.50 | 50 |
| **382** | 3 | ¼ oz. to 6 lbs. | 6.30 | .45 |
| | | WITH BRASS SCOOP. | | |
| **390** | 1 | ¼ oz. to 17 lbs. | $11.40 | .55 |
| **392** | 2 | ¼ oz. to 10 lbs. | 8.70 | .50 |
| **394** | 3 | ¼ oz. to 6 lbs. | 7.20 | .45 |

### Grocers' Scale

**With Single Beam**



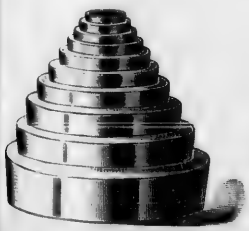
| Nos. | Capacity. oz. | Capacity. lbs. | | Price. |
|---|---|---|---|---|
| **474** | ½ | to 62 | with Tin Scoop, notched beam | $11.00 |
| **476** | ½ | to 62 | with Brass Scoop, notched beam | 12.00 |
| **478** | ½ | to 62 | with Tin Scoop, sliding poise | 12.00 |
| **480** | ½ | to 62 | with Brass Scoop, sliding poise | 13.00 |

### Grocers' Scale

**With Double Beam**

| Nos. | Capacity. oz. | Capacity. lbs. | | Price. |
|---|---|---|---|---|
| **482** | ½ | to 62 | with Tin Scoop, notched beam | $12.00 |
| **484** | ½ | to 62 | with Brass Scoop, notched beam | 13.00 |
| **486** | ½ | to 62 | with Tin Scoop, sliding poise | 14.00 |
| **488** | ½ | to 62 | with Brass Scoop, sliding poise | 15.00 |

Stamping, $0.50.



### Iron Weights

Stamping Extra, 5 cents net for each weight.

SEPARATE WEIGHTS.

| | |
|---|---|
| ½, 1, 2 and 4 oz. each | $0.13 |
| ½ lb. each | .25 |
| 1 lb. each | .25 |
| 2 lb. each | .35 |
| 3 lb. each | .45 |
| 4 lb. each | .55 |
| 5 lb. each | .65 |

SETS.

| | |
|---|---|
| ½ lb. to ½ oz. | $0.75 |
| 1 lb. to ½ oz. | 1.00 |
| 2 lbs. to ½ oz. | 1.25 |
| 3 lbs. to ½ oz. | 1.50 |
| 4 lbs. to ½ oz. | 1.90 |
| 5 lbs. to ½ oz. | 2.30 |

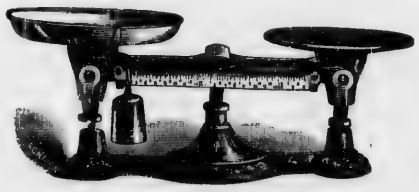
## STANDARD TEA SCALE

**Without Weights**

**With Brass Standard, Beautifully Finished.**

| New Nos. | Old Nos. | Capacity. | Height of Standard. | Price. | Stamping. |
|---|---|---|---|---|---|
| **490** | 2 | 7 lbs. | 31 in. | $20.00 | $0.30 |
| **492** | 1 | 12 lbs. | 36 in. | 23.00 | .30 |

## Grocers' Tea Scale



**With Iron Weights and Brass Dish.**

| New Nos. | Old Nos. | Capacity. | Price. | Stamping. |
|---|---|---|---|---|
| **396** | 1 | ¼ oz. to 17 lbs., without side beam | $10.00 | $0.50 |
| **398** | 2 | ¼ oz. to 10 lbs., without side beam | 7.60 | .50 |
| **400** | 3 | ¼ oz. to 6 lbs., without side beam | 6.30 | .45 |
| **402** | 1 | ¼ oz. to 17 lbs., with side beam ... | 11.40 | .50 |
| **404** | 2 | ¼ oz. to 10 lbs., with side beam ... | 8.70 | .50 |
| **406** | 3 | ¼ oz. to 6 lbs., with side beam ... | 7.20 | .45 |

## BUTTER OR MEAT TRIP SCALE

**With Iron Weights, Complete.**

WITH TWO IRON PLATES.

| New Nos. | Old Nos. | Capacity. | Price. | Stamping. |
|---|---|---|---|---|
| **414** | 1 | ¼ oz. to 17 lbs., without side beam | $ 8.50 | $0.80 |
| **416** | 2 | ¼ oz. to 10 lbs., without side beam | 6.40 | .75 |
| **418** | 3 | ¼ oz. to 6 lbs., without side beam | 5.40 | .70 |
| **420** | 1 | ¼ oz. to 17 lbs., with side beam ... | 9.90 | .50 |
| **422** | 2 | ¼ oz. to 10 lbs., with side beam ... | 7.50 | .50 |
| **424** | 3 | ¼ oz. to 6 lbs., with side beam ... | 6.30 | .45 |

WITH BRASS PLATE AND IRON PLATE.

| | | | | |
|---|---|---|---|---|
| **426** | 1 | ¼ oz. to 17 lbs., without side beam | 9.70 | .80 |
| **428** | 2 | ¼ oz. to 10 lbs., without side beam | 7.30 | .75 |
| **430** | 3 | ¼ oz. to 6 lbs., without side beam | 6.20 | .70 |
| **432** | 1 | ¼ oz. to 17 lbs., with side beam ... | 11.10 | .50 |
| **434** | 2 | ¼ oz. to 10 lbs., with side beam ... | 8.40 | .50 |
| **436** | 3 | ¼ oz. to 6 lbs., with side beam ... | 7.20 | .45 |

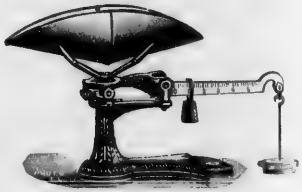
WITH PORCELAIN PLATE AND IRON PLATE.

| | | | | |
|---|---|---|---|---|
| **438** | 1 | ¼ oz. to 17 lbs., without side beam | 11.20 | .80 |
| **440** | 2 | ¼ oz. to 10 lbs., without side beam | 8.40 | .75 |
| **442** | 3 | ¼ oz. to 6 lbs., without side beam | 6.80 | .70 |
| **444** | 1 | ¼ oz. to 17 lbs., with side beam ... | 12.60 | .50 |
| **446** | 2 | ¼ oz. to 10 lbs., with side beam ... | 9.00 | .50 |
| **448** | 3 | ¼ oz. to 6 lbs., with side beam ... | 7.80 | .45 |

WITH PORCELAIN PLATE AND BRASS PLATE.

| | | | | |
|---|---|---|---|---|
| **450** | 1 | ¼ oz. to 17 lbs., without side beam | 12.30 | .80 |
| **452** | 2 | ¼ oz. to 10 lbs., without side beam | 9.30 | .75 |
| **454** | 3 | ¼ oz. to 6 lbs., without side beam | 7.60 | .70 |
| **456** | 1 | ¼ oz. to 17 lbs., with side beam ... | 13.70 | .50 |
| **458** | 2 | ¼ oz. to 10 lbs., with side beam ... | 10.50 | .50 |
| **460** | 3 | ¼ oz. to 6 lbs., with side beam ... | 8.60 | .45 |

## Druggists' Scale

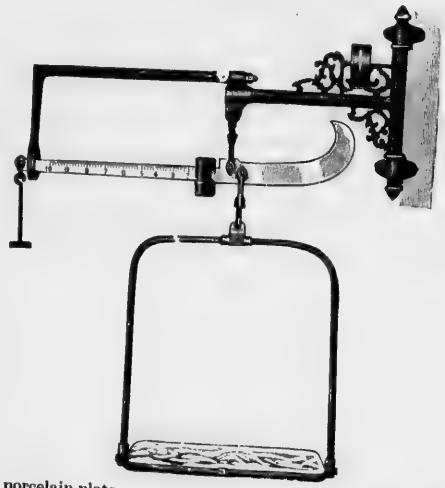


| No. | Capacity. | Price. | Stamping. |
|---|---|---|---|
| **494** | 1 drachm to 8 lbs., Tin Scoop ... | $10.00 | $0.50 |
| **496** | 1 drachm to 8 lbs., Brass Scoop.. | 11.00 | .50 |

No. 528
No. 530
No. 524—(
No. 526 S

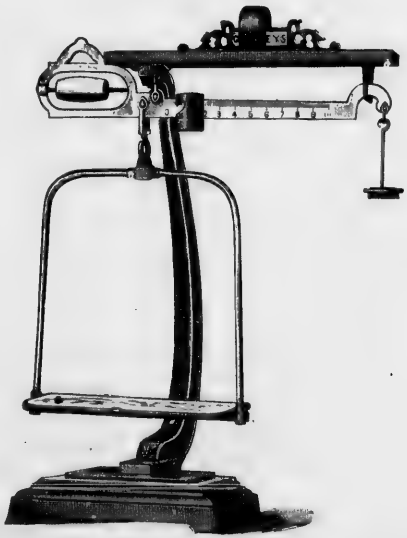
## BUTCHER SCALES

### With Brass Beam and Sliding Poise



No. **528**—Capacity 50 lbs., with porcelain plate.....Each $15.00 Stamping $0.50
No. **530**—Capacity 50 lbs., with tin dish.....Each 14.00 Stamping .50

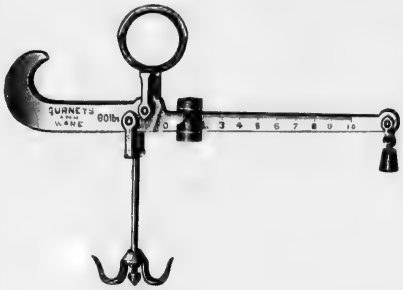
### With Brass Beam and Sliding Poise



No. **524**—Capacity 50 lbs., with porcelain plate, brass beam with balance.....Each $17.00 Stamping $0.50
No. **526**—Same Scale, except with beam as shown with Scale No. 528.....Each 16.00 Stamping .50

## PEDLER OR BUTCHER BEAM

### Brass Beam with Sliding Poise

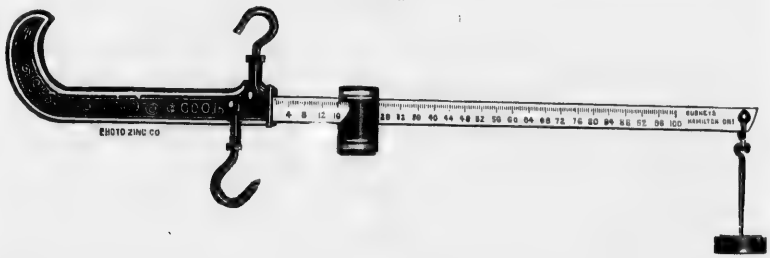


No. **538**—Capacity 25 lbs. To weigh by hand. ....Price $ 6 00
No. **540**—Capacity 50 lbs. To weigh by hand.....Price 7.00
No. **542** Capacity 60 lbs. To weigh by hand.....Price 8.00
No. **544**—Capacity 100 lbs. To weigh by hand.....Price 10 00
No. **546**—Capacity 25 lbs. With wagon attachment..Price 7.00
No. **548**—Capacity 50 lbs. With wagon attachment..Price 8.00
No. **550**—Capacity 60 lbs. With wagon attachment..Price 9.00
No. **552**—Capacity 100 lbs. With wagon attachment..Price 11.00

Stamping, $0 50.

## Improved Weigh Beams

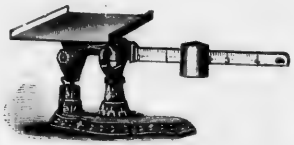
### Steel Bar



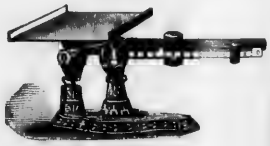
| No. | Capacity. | Description. | Price | Stamping. |
|---|---|---|---|---|
| **554** | 100 lbs. | 80 lbs. engraved on beam, one 25 lb. counterpoise | $4.10 | $0.50 |
| **556** | 150 lbs. | 80 lbs. engraved on beam, one 25 lb. counterpoise, one 50 lb. weight | 4.35 | .50 |
| **558** | 200 lbs. | 80 lbs. engraved on beam, one 25 lb counterpoise, two 50 lb. weights | 4.60 | .50 |
| **560** | 250 lbs. | 80 lbs. engraved on beam, one 25 lb. counterpoise, one 50 lb. weight, one 100 lb. weight | 4.85 | .50 |
| **562** | 300 lbs. | 80 lbs. engraved on beam, one 25 lb. counterpoise, two 50 lb. weights, one 100 lb. weight | 5 10 | .50 |
| **564** | 350 lbs. | 100 lbs. engraved on beam, one 100 lb. counterpoise, one 50 lb. weight, one 100 lb. weight | 5 70 | .50 |
| **566** | 400 lbs. | 100 lbs. engraved on beam, one 100 lb. counterpoise, two 100 lb. weights | 6.00 | .50 |
| **568** | 500 lbs. | 100 lbs. engraved on beam, one 100 lb. counterpoise, three 100 lb. weights | 6.40 | .50 |
| **570** | 600 lbs. | 100 lbs. engraved on beam, one 100 lb. counterpoise, four 100 lb. weights | 6.80 | .75 |

## Package and Postal Scales

Capacity. Price.
No. **532**—1-4 to 8 oz. $4.00
No. **534**—1-2 to 34 oz. 6.00



Capacity. Price.
No. **536**—1-2 oz. to 4 lbs.....$9.00

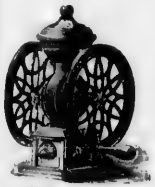


Double Beam

Capacity. Price.
No. **537**—1-2 oz. to 6 lbs.....$12.00
For weighing papers, periodicals, etc.

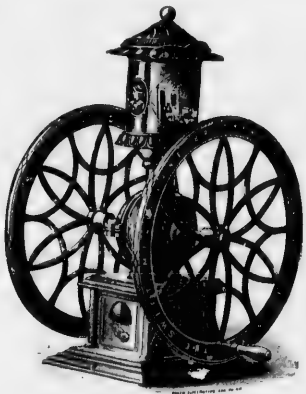
NOTE—Letter Scales do not require to be stamped.

## SWIFT COFFEE MILLS

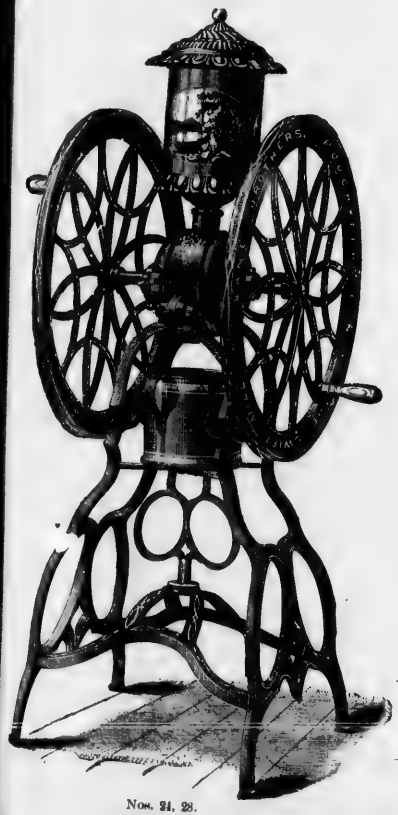


Nos. 13, 14, 140.

Nos. 13½, 14½, 15½.



Nos. 15, 16, 18.



Nos. 24, 28.

Nos. 13 1-2, 14 1-2 and 15 1-2, have nickel-plated Hoppers.

Other Nos. have Hoppers finished in vermilion and gold.

| Nos. | Fly Wheels | | Capacity Per Minute | List |
|---|---|---|---|---|
| | No. of | Diameter Inches | | |
| **12** | 1 | 9 | 1-2 lb. | $ 2.50 |
| **12 1-2** | 2 | 9 | 1-2 lb. | 3.50 |
| **13** | 2 | 12 | 3-4 lb. | 5.00 |
| **14** | 2 | 15 | 1 lb. | 8.00 |
| **14 1-2** | 2 | 15 | 1 lb. | 12.00 |
| **140** | 2 | 17 | 1 1-4 lb. | 12.00 |
| **15** | 2 | 20 | 1 1-2 lb. | 15.00 |
| **15 1-2** | 2 | 20 | 1 1-2 lb. | 20.00 |
| **16** | 2 | 24 | 1 3-4 lb. | 20.00 |
| **18** | 2 | 30 | 2 lb. | 28 00 |

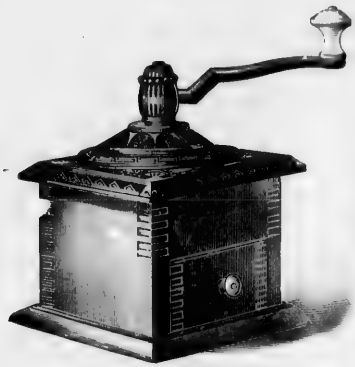
ON STAND.

| Nos. | Fly Wheels | | Capacity Per Minute | Height Feet | List |
|---|---|---|---|---|---|
| | No. of | Diameter Inches | | | |
| **24** | 2 | 30 | 2 lbs. | 5 1-2 | $37.00 |
| **28** | 2 | 36 | 3 lbs. | 5 10-12 | 65.00 |

**Complete Illustrated List showing all sizes and patterns, sent on application.**

## COFFEE MILLS

Style of Nos. 112 and 118.



Style of Nos. 400, 401 and 425.

No. **118**—Japanned Iron Hopper, dovetailed box ..... Per dozen $5.00
No. **112**—Britannia Metal Hopper, dovetailed box ..... Per dozen 8.00
No. **400**—Iron Top, bronzed, dovetailed box ..... Per dozen 8.50
No. **401**—Iron Top, bronzed, dovetailed box, medium size ..... Per dozen 9.25
No. **425**—Iron Top, bronzed, dovetailed box, extra large size ..... Per dozen 13.50

Half dozen in a box.

Style Nos. 450 and 470.

Style of Nos. 70 and 135.

No. **450**—Side Mill, all iron ..... Per dozen $ 9.00
No. **470**—Side Mill, all iron, large size ..... Per dozen 12.00
No. **70**—Side Mill, wood back ..... Per dozen 8.00
No. **132**—Side Mill, wood back, large size ..... Per dozen 7.50
No. **135**—Side Mill, wood back (Old Wilson Improved) ..... Per dozen 5.00

No. 135 one dozen in a box, other Nos. half dozen.

## COFFEE MILLS

No. 722.

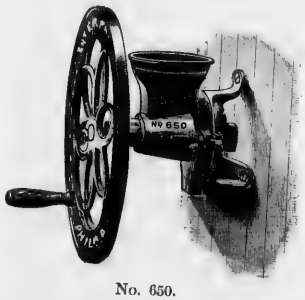
No. 822. One Pound Mill.

No. A 9. One Pound Mill.

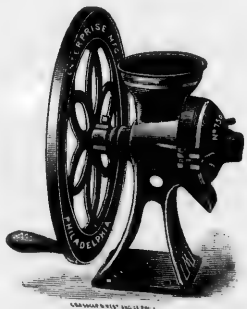
No. 0. Enterprise.

No. **722**—Copper Bronzed, Lacquered Castings, box 6 1-4 x 6 x 5 inch..... Per dozen $ 8.25
No. **822**—One Pound Mill, Copper Bronzed, Lacquered Castings ..... Per dozen 11.00
No. **A 9**—Top and Swing Covers, stamped from heavy steel, lacquered..... Per dozen 11.50
No. **0**—Enterprise, with clamp, japanned and ornamented ..... Each 2.25

## Bone, Shell and Corn Mills




No. 650.




No. 750.

For grinding bones, shells, corn, roots, bark, chicken feed, etc. Regulated to grind coarse or fine by adjusting thumb screw near centre of fly wheel.

No. **650**—To attach to wall or post ..... Each $11.50
No. **750**—On stand, height 17 1-4 inches..... Each 11.50

## APPLE PARERS

**THE HUDSON** Rocking Table Apple Parer, with push off..... ..... ..... .....**Per** dozen $8.25

One dozen in a box.

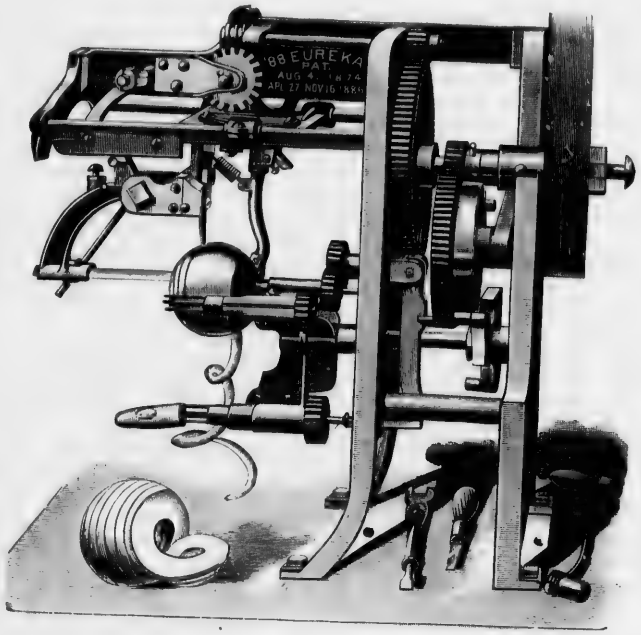
**THE LITTLE STAR** Combined Parer, Corer and Slicer ..... ..... ..... .....**Per** dozen $8.00

One dozen in a box.

## EUREKA

## APPLE PARING, CORING AND SLICING MACHINE

FOR HAND OR POWER USE.




Pares, cores and slices 25 apples per minute. Can be used to pare and core without slicing; when so operated the capacity of the machine is limited only by the ability of the operator to put on the apples—the machine does the rest—throwing off the pared apple and core separately.

**The Strongest, Fastest, Most Complete, and Finest Working Machine Made**

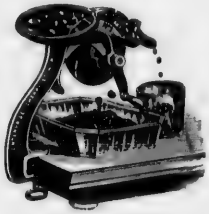
Each..... $40.00

Extra parts can be supplied to order. Most of the parts have their numbers cast on them. Those not so numbered are not likely to be confounded with any other part. In ordering give the number or name of the part wanted, also the number of the machine which is stamped on the metal plate. A little care in ordering may save delay when time is valuable.

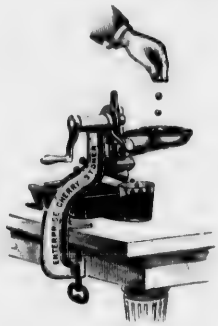
.....Per dozen $8.25

.....Per dozen $8.00

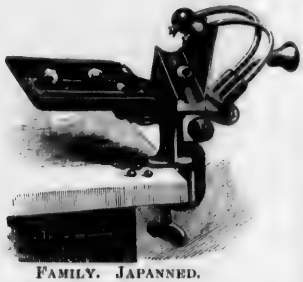
## CHERRY STONERS



Nos. 1 and 2.



No. 12.



FAMILY. JAPANNED.

No. **1**—Enterprise Cherry Stoner, japanned ..... Per dozen $11 50
No. **2**—Enterprise Cherry Stoner, tinned ..... Per dozen 14.00
No. **12**—New Enterprise Cherry Stoner, tinned ..... Per dozen 18.50
Family Cherry Stoner, 2 prong, japanned ..... Per dozen 8.25

## Egg Beaters

DOVER.

KEYSTONE.

Improved Dover Egg Beater ..... Per dozen $ 2.25
No. **20**—Keystone Egg Beater, glass jar, holds a quart (wine) and is graduated to 1-4, 1-2 and 1 pint... Per dozen 21.00

## ...NCING KNIVES

No. 11.

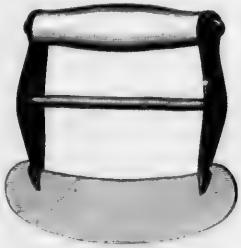
No. 55. Wood Handle.

No. 33. Double Blade.

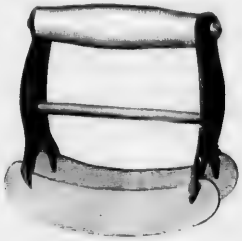
No. **11**—Braced Shank, polished.....Per dozen $0.90 | No. **55**—Wood Handle, polished.....Per dozen $2.50

No. **33**—Double Blade, polished.....Per dozen $1.25

## Smith's Patent Wire Braced



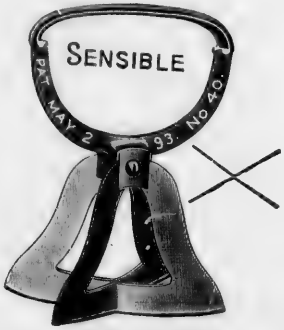
No. 1. Single Blade.

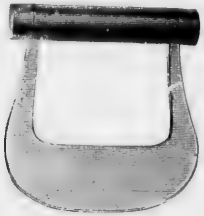


No. 2. Double Blade.

No. **1**—Plain Handle, single blade.....Per dozen $2.50 | No. **2**—Plain Handle, double blade.....Per dozen $3.50

ECLIPSE.



No. 21.

"Eclipse," all steel, polished.....Per dozen $1.90

"Sensible," 4 blade, polished, japanned malleable handle.....Per dozen 2.25

No. **21** Hammered, cast steel, wood handle.....Per dozen 4.25

One dozen in a box.

## MEAT CUTTERS

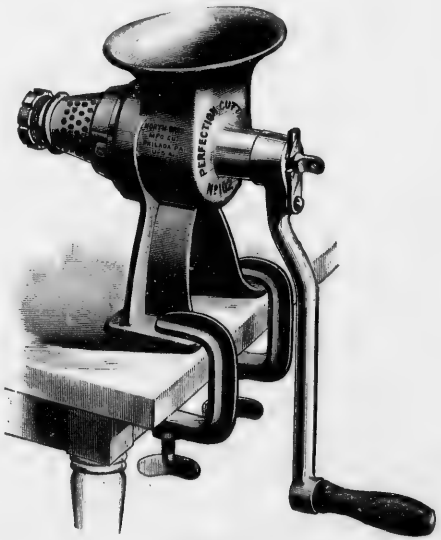
Inside White Enamelled. Outside Japanned and Ornamented.

| Size | R | S | SS | U | W | Z with wheel |
|---|---|---|---|---|---|---|
| Corresponds with Enterprise Nos. | 5 | 10 | 12 | 22 | 32 | 32 |
| Each | $1.50 | 2.25 | 1.88 | 3.00 | 4.50 | 5.50 |

Half dozen in a case.

## New Perfection Meat Cutters

1894 Pattern.




With Clamps.

No. **101**—Galvanized, cuts one pound per minute ..... Each $2.25
No. **102**—Galvanized, cuts two pounds per minute ..... Each 3.25

Without Clamps.

No. **0102**—Galvanized, cuts two pounds per minute ..... Each $3.00
No. **0103**—Galvanized, cuts three pounds per minute ..... Each 4.75

Half dozen in a case.

## LITTLE GIANT MEAT CHOPPER

No. **305**—With clamp, weighs 5 1-4 lbs., cuts 1 1-2 lbs. per minute (without stuffer) ..... Per dozen $24.00

No. **310**—With clamp, weighs 8 3-4 lbs, cuts 3 lbs. per minute (without stuffer) ..... Per dozen 36.00

No. **320**—With clamp, weighs 12 1-2 lbs., cuts 4 lbs. per minute (without stuffer) ..... Per dozen 54.00

Stuffer can be easily attached to any machine, but machines are *not shipped with the stuffer attachment* unless so ordered.

### Stuffer Attachment, Extra

| For No. | **310** | **312** | **320** | **322** |
|---|---|---|---|---|
| Per dozen | $4.50 | 4.50 | 6.00 | 6.00 |

### Extra Knives

| Extra knives ....Nos. | **310** | **312** | **320** | **322** |
|---|---|---|---|---|
| Each | $0.30 | .30 | .50 | .50 |

### Extra Plates

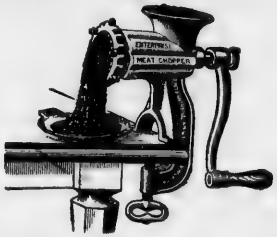
| Extra plates ....Nos. | **310** | **312** | **320** | **322** |
|---|---|---|---|---|
| Each | $0.50 | .50 | .75 | .75 |

No. **312**—On feet, weighs 8 lbs., cuts 3 lbs. per minute ..... Per dozen $30.00

No. **322**—On feet, weighs 12 1-2 lbs., cuts 4 lbs. per minute ..... Per dozen 48.00

Half dozen in a box.

## ENTERPRISE GALVANIZED MEAT CHOPPERS.




No. 5. Weight 4¼ Pounds, Chops ¾ Pound Per Minute.....Each, $2.00
No. 10. Weight 8 Pounds, Chops 1 Pound Per Minute .....Each, 3.00

No. 12. Weight 7 Pounds, Chops 1 Pound Per Minute.....Each, $2.50
No. 22. Weight 13 Pounds, Chops 2 Pounds Per Minute .....Each, 4 00
No. 32. Weight 18 Pounds, Chops 3 Pounds Per Minute.....Each, 6.00
HALF DOZEN IN A BOX.

No. 42. Weight 30 Pounds, Chops 5 Pounds Per Minute.....Each, 15.00
ONE-QUARTER DOZEN IN A BOX.

Can supply Extra Knives, Plates, etc., for above Machines.

## ENTERPRISE SAUSAGE STUFFING ATTACHMENTS.

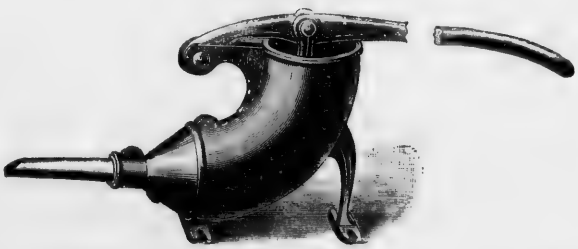
**For Enterprise Meat Choppers.**

| To Fit Choppers Nos..... | 5 | 10 | 12 | 22 | 32 |
|---|---|---|---|---|---|
| 3-4 Inch, Per Dozen..... ..... | $3.75 | 4.50 | 4.50 | 6.00 | 7.25 |

### Enterprise Sausage Stuffers and Lard Presses.

No. **5.** 2 Quart, Japanned, Rack Movement ..... ..... ..... ....Each, $3.00
No. **25.** 4 Quart, Japanned, Screw Movement.....Each, 5.00
No. **35.** 8 Quart, Japanned, Screw Movement.....Each, 6.50
Nos. 15 and 25, Half Dozen in a Case; No. 35, Quarter Dozen.

### Sausage Fillers.



No. **1.** For Family Use.....Each, $1.60
No. **0.** For Butcher's Use.....Each, 1.95
Half Dozen in a Case.

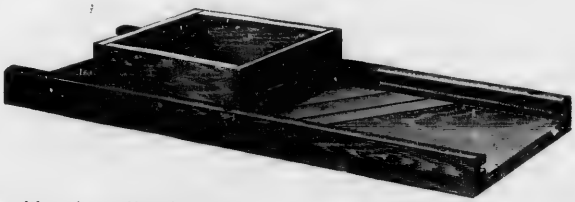
## COMBINATION FRUIT WINE AND JELLY PRESS

Combination Fruit and Jelly Press, tinned ..... Each $4.50

### Slaw Cutters

No. **0**—Maple Wood Vegetable Cutter, 3 1-4 x 12 inches ..... Per dozen $3.00
Six dozen in a box.

No. **100**—One Knife, adjustable blade ..... Per dozen $3.25
One dozen in a box.



No. **200**—Two Knives, without box, adjustable blade ..... Per dozen $ 4.50

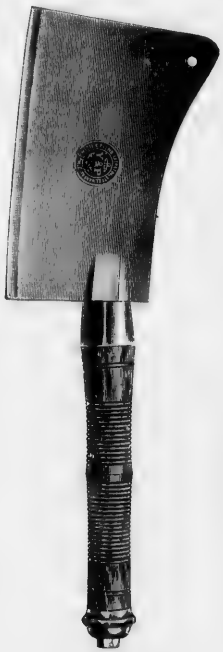
### Kraut Cutters

No. **2**—Two Knives with box, 8 x 26 inches, adjustable blade ..... Per dozen $18.00
One dozen in a box.

## MEAT CHOPPERS

No. 0850.

No. 0832.



No. 821.
and style of No. 3705.

### Beef Splitters

**Full Polished Blade, Wrapped Iron Handle**

No. **0850**—15 inch handle, 11 inch blade ..... Each $4.00
No. **0851**—18 inch handle, 12 inch blade ..... Each 4.25

### Butchers' Cleavers

**Full Polished Blade, Wrapped Iron Handle**

No. **0832**—8 inch blade ..... Per dozen $22.50

**Wood Handle, Polished Blade**

| Nos | 821 | 822 | 823 |
|---|---|---|---|
| Inch | 8 | 9 | 10 |
| Per dozen | $23.00 | 26.00 | 29.00 |

Half dozen in a box.

**German**

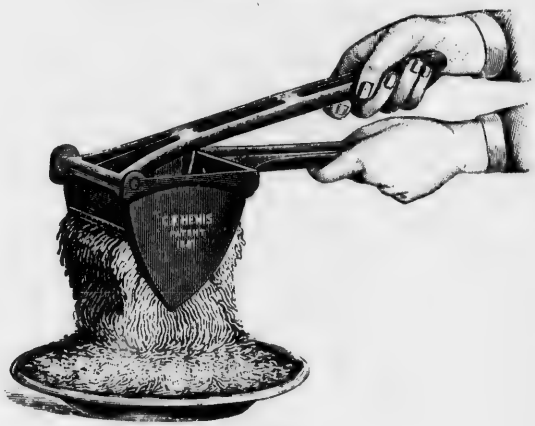
No. **2314**—Round Black Enamelled Handle, 7 inch blade ..... Per dozen $4.00
No. **3705**—Round Handle, 8 inch blade ..... Per dozen 19.50
No. **3705**—Round Handle, 9 inch blade ..... Per dozen 22.00
No. **3705**—Round Handle, 10 inch blade ..... Per dozen 27.50
No. **2315**—Oval Handle, tang full length of handle, 7 inch blade ..... Per dozen 12.00
No. **2315**—Oval Handle, tang full length of handle, 8 inch blade ..... Per dozen 14.00

**Canadian Butchers' Cleavers**

Canadian Butchers' Cleavers ..... Per dozen 7.00

Half dozen in a box or package.

## FRUIT AND VEGETABLE PRESSES



Henis' Patent Fruit and Vegetable Presses, galvanized ..... Per dozen $6.00
Silver's Patent Fruit and Vegetable Presses, galvanized, round cup ..... Per dozen 6.00

One dozen in a box.

## Flour Sifters

Victor Flour Sifters ..... Per dozen $3.00

One dozen in a box.

## Nutmeg Graters

No. 4—Edgar's Patent Nutmeg Graters ..... Per dozen $1.50

One dozen in a box.

## MRS. POTTS' COLD HANDLE SAD IRONS

Full set consists of three Irons, one Handle and Stand.

No. **55**—Plain, polished ..... Per dozen sets $1.10
No. **50**—Nickel-plated ..... Per dozen sets 1.65

Half dozen sets in a box.

Handles, only, for Mrs. Potts' Sad Irons, black walnut ..... Per dozen $2.00
Stands, only, for Mrs. Potts' Sad Irons ..... Per dozen 1.10

## Troy Polishing Irons

With plain or perforated face.

Polished and Japanned.

Troy Polishing Irons, plain face ..... Per dozen $8.00
Troy Polishing Irons, perforated face ..... Per dozen 8.00

## SENSIBLE SAD IRONS

Style No. 2.

Toy Sad Iron.

### Sensible Sad Irons

Set consists of three Irons (1 each 5, 6 and 7 lbs.), one Detachable Cold Handle and Stand.

**Style Nos. 2 or 3**

| | |
|---|---|
| Plain | Per set $1.10 |
| Nickel-plated | Per set 1.65 |
| Extra handles | Per dozen 2.00 |

When ordering state whether style No. 2 (Double Pointed) or No. 3 (Square End) are required.

Six sets in a box.

### Sensible Toy Sad Irons

With Detachable Cold Handle.

Plain, weight 1 lb. each ..... Per dozen $2.50

## SAD IRONS

## TAILORS' IRONS

### Sad Irons

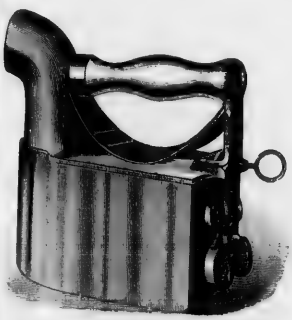
Nos. **5, 6, 7, 8, 9, 10** and **14**—Polished and japanned ..... Per pound $0.05

Nos. **5, 6, 7, 8, 9, 10** and **14**—Nickel-plated and bronzed ..... Per pound .06¼

### Tailors' Irons

12 to 30 lbs., polished and japanned ..... Per pound $0.07½

## Tailors' Charcoal Irons



No. 3.

No. 20.

No. **3**—Single Flue, 7 x 3 3-4 inch, 7 1-2 lbs. each ..... Each $1.15

No. **20**—Double Flue, large size, polished and japanned, weight 20 lbs. ..... Each 4.50

## THE ORIGINAL "KNOX" FLUTING MACHINE

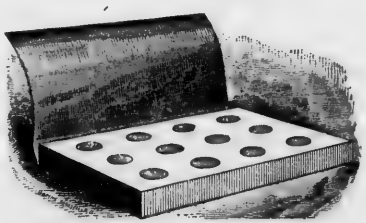
"Knox" Fluters, 6 inch, rolls, style No. 15 ..... Each $7.50

## Hand Fluters

GENEVA.

Geneva Hand Fluters, white metal base and rocker ..... Per dozen $4.50

## Laundry Wax Blocks



Sherwood's Laundry Wax Blocks ..... Per dozen $3.00

One dozen in a box.

These blocks are so constructed that by simply rubbing the heated iron quickly over the top of the block it takes off all dirt or roughness, smooths up the iron, waxes it, and puts it in the best possible condition for use without wasting a bit of wax or burning the fingers. It is built up in layers so that when the top of the block becomes dirty or the wax exhausted, a layer can be pulled off and a fresh, new surface brought into use. Each successive layer can be removed in the same way, so that the entire block may be utilized.

## CURLING IRONS

No. **2249 1-2/6**—Japanned wood handle, full length 8 inches ..... Per dozen $0.45
No. **2249 1-2/8**—Japanned wood handle, full length 8 1-2 inches ..... Per dozen .55
No. **3286/7** —Whitewood handle, full length 8 1-4 inches ..... Per dozen .55
No. **3286/8** —Whitewood handle, full length 8 1-2 inches ..... Per dozen .65
Pigmy, polished wood handle, full length 6 1-2 inches ..... Per dozen 1.05
Magic, polished wood handle, full length 7 1-2 inches ..... Per dozen .75
No. **100**—Grecian, folding pocket, leather case ..... Per dozen 1.80

One dozen in a box.

Little Princess, nickel-plated, antique oak handles, full length 7 3 4 inches ..... Per dozen $1.05
B, polished wood handle, full length 7 3-4 inches ..... Per dozen .85

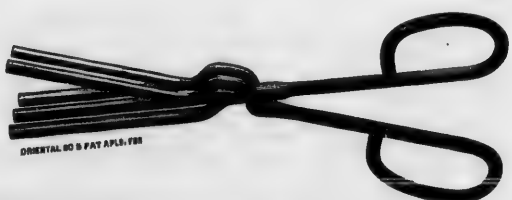
One dozen in a box.

Pearl, highly polished and nickel-plated, polished antique oak handles, full length 8 1-2 inches..... Per dozen $2.75
No. **00**—Paragon, nickel-plated, antique oak handles, full length 8 1-2 inches ..... Per dozen 1.65

One dozen in a box.

The spring being located at end of handle is not affected by heat, and will always retain its elasticity.

## Hair Wavers




No. **5** or **400**—Oriental Waving Irons, polished and nickel-plated, 5 prongs, full length 10 3-4 inches... Per dozen $3.00

One dozen in a box.

## TRACING WHEELS

NO.10 TRACING WHEEL.

No. **10**—Bright, whitewood handle ..... Per dozen $0.65
No. **950**—Bright, polished black handle ..... Per dozen .75
No. **3061**—Bright, polished black handle ..... Per dozen .75

One dozen in a box.

No. 951.

No. 3062.

No. **951**—Bright, polished black handle ..... Per dozen $1.10
No. **3062**—Bright, polished black handle, double wheel ..... Per dozen 1.35
No. **3059**—Bright, polished black handle, double wheel ..... Per dozen 2.50
No. **6105**—Bright, polished black handle, double wheel ..... Per dozen 2.75

One dozen in a box.

No. 11. Adjustable.

Can be adjusted to any width.

No. **11**—Bright, polished black handle ..... Per dozen $1.75

One dozen in a box.

## Pinking Irons

Diamond Tooth.

Oval Pattern, Scollop or Diamond Teeth.

| Inch | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-4 |
|---|---|---|---|---|---|---|---|
| Per dozen | $1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 2.75 |

One dozen in a box.

## GLASS CUTTERS

No. 13—Combined Glass Cutter and Putty Knife ..... Per dozen $1.25

One dozen in a box.

No. XXX—Ebonized Wood Handle, loose head, on same principle as glazier's diamond ..... Per dozen $2.25

One in a paper tube. One dozen in a box.

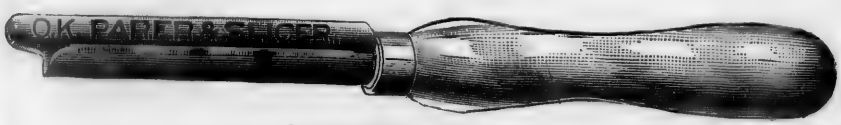
No. 10—Combination Glass Cutter, Can Opener, Knife and Scissors Sharpener and Corkscrew ..... Per dozen $1.50

One dozen in a box

## Glaziers' Diamonds

| | | |
|---|---|---|
| No. 2—Crown Diamond | Each | $ 6.75 |
| No. 3—Crown Diamond | Each | 8.25 |
| No. 4—Sheet Diamond | Each | 9.75 |
| No. 5—Plate Diamond | Each | 13.50 |
| No. 6—Sheet Diamond, to close up | Each | 9.00 |
| No. 9—Sheet Diamond, with rack | Each | 10.50 |
| No. 12—Diamond and Rack, to close up, brass sides | Each | 8.00 |

## O. K. Parer and Slicer




For paring Fruit and Vegetables.

O. K. Parer and Slicer ..... Per dozen $1.00

One dozen in a box.

## FLY TRAPS

Balloon Fly Traps ..... Per dozen $2.40

One dozen in a box.

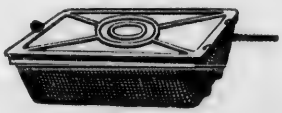
## Wire Dish Covers

Round Wire Dish Covers

Set of five, 6, 7, 8, 9 and 10 inches..... Per set $

Oval Wire Dish Covers

## Corn Poppers



Corn Poppers, square ..... Per dozen $1.45

## SELF-WRINGING MOPS

Self-Wringing Mops.....Per dozen $5.25

One dozen in a bundle.

### Mop Cloths

Cotton Mop Cloths.....Per dozen $2.75

One dozen in a bundle.

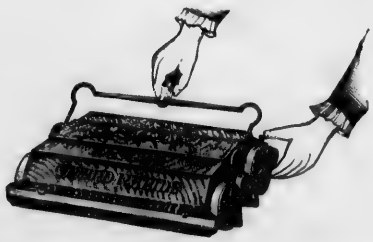
### Combination Mop and Brush Holder

4 feet handles.

No. 2—Copper bronzed, stained handle.....Per dozen $1.80

One dozen in a bundle.

### Carpet Sweepers



Mahogany finish, hand decorated, with automatic reversible bail, broom action, spring dumping device, rubber tires and buffer.

The Grand Rapids.....Per dozen $36.00

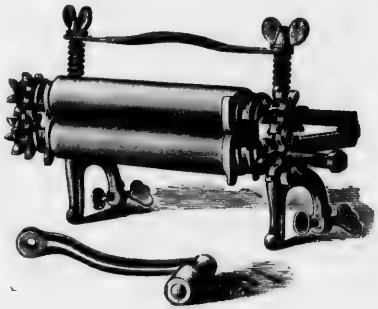
One dozen in case.

Rubber Rings for Grand Rapids Sweepers.....Per dozen $1.80
Rubber Bands for Grand Rapids Sweepers.....Per dozen .00

## CLOTHES WRINGERS

SOLID WHITE RUBBER ROLLS.

### New Eureka

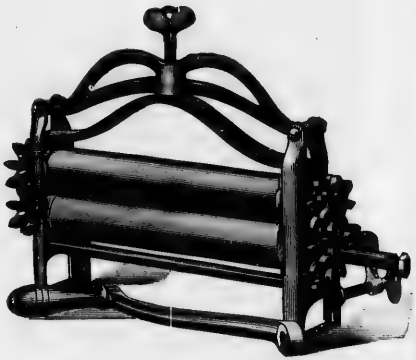


Malleable Iron. Galvanized.

NEW EUREKA, 10 inch rolls ..... Per dozen $33.00

NEW EUREKA, 11 inch rolls ..... Per dozen 34.00

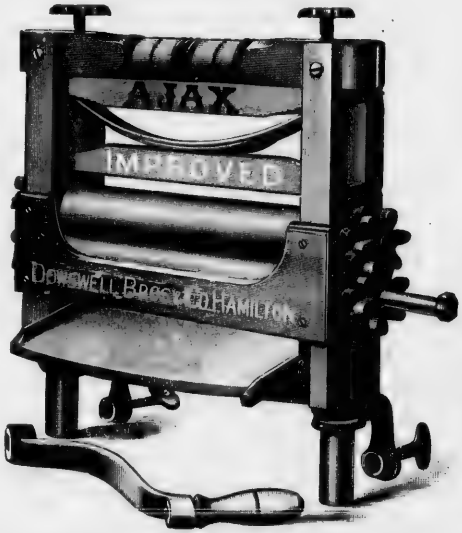
### Hamilton



Malleable Iron. Galvanized.

HAMILTON, 1 3-4 x 11 inch rollers..... Per dozen $42.00

### Ajax




AJAX, extra heavy, 2 1-4 x 14 inch rolls ..... Each $9.75

Specially adapted for hotels and laundries.

### Handy Bench

THE HANDY, 1 3-4 x 11 inch rolls, folding bench

Per dozen..... $65.00

Bench folds at each side of Wringer, thus occupying little space when not in use.

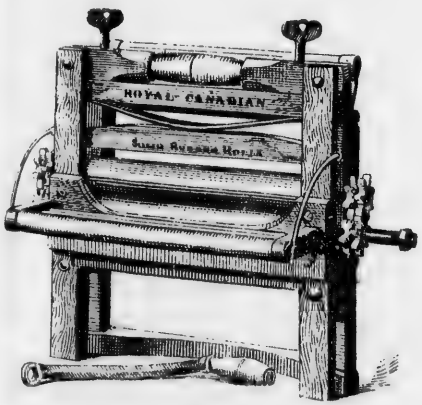
## CLOTHES WRINGERS

SOLID WHITE RUBBER ROLLS.

### Ontario

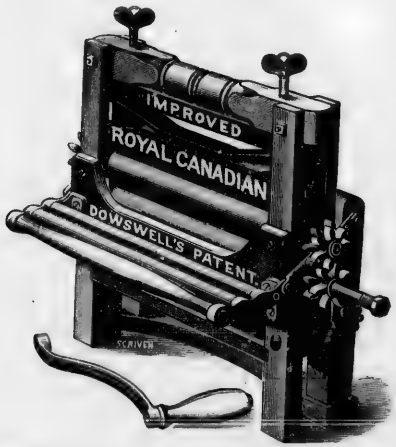
THE ONTARIO, 1 3-4 x 11 inch rolls, easy running ..... Per dozen $45.00

### Royal Canadian



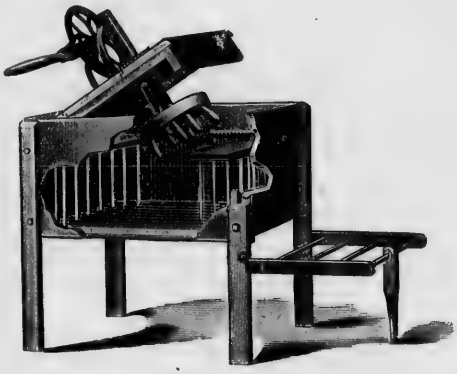

ROYAL CANADIAN, 1 3-4 x 11 inch rolls.
Per dozen ..... $39.00

### Improved Royal Canadian

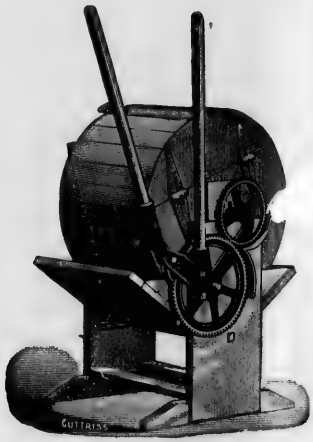



IMPROVED ROYAL CANADIAN, 1 3-4 x 11 inch rolls, patent tub fastening.
Per dozen ..... $39.00

## WASHING MACHINES



The "New Leader"



The "Manitoba"

The "Dowswell"

### Washing Machines

**"New Leader"**

Handsomely painted.....Each $5.25

This machine being closed while in operation prevents splashing and wetting of floors.

**The "Manitoba"**

The best Washer on the market for families, hotels and laundries.

No. 1—Family size.....Each $10.00

We can supply this Washer large size, with double compartment for hotels and laundries, also in special large size to be run by power.

**The "Dowswell"**

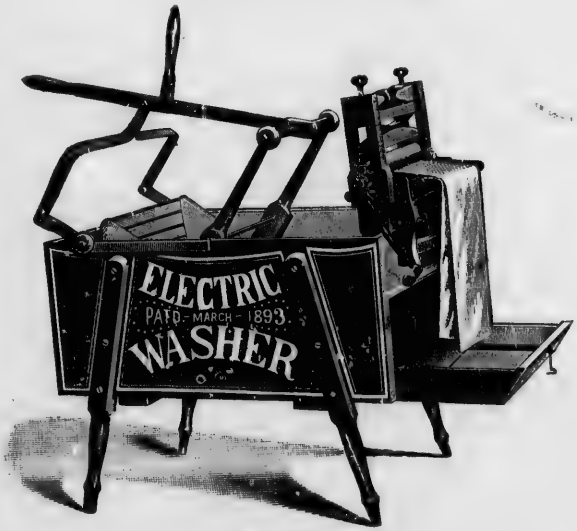
Works easily, quickly and thoroughly.....Each $4.50

## WASHING MACHINES

The "Happy Hit"

HAPPY HIT Washer, malleable iron lifters and slides ..... Each $4.50

Above price does not include Wringer.




Patented March 10, 1893.

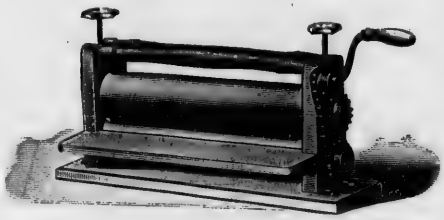
The "Electric"

ELECTRIC Washer, double action, lever movement, uniform rubbing motion, bushed bearings, malleable iron lifter for raising the rubber. Sliding drawer to receive clothes from Wringer (as shown in cut).... Each $6.75

Above price does not include Wringer.

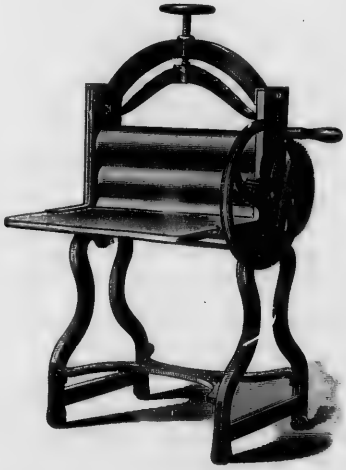
## MANGLES

### Improved Domestic



Improved Domestic, driven by chain belt, adjustable pressure, two maple wood rollers, easy running ..... Each $9.75

### The Queen



The Queen Mangle, three 24 x 5 inch maple wood rollers, mounted on iron wheels, heavy frame, elliptic spring, adjustable pressure, folding table on one side ..... Each $23.00

## GALVANIZED STEEL BUCKETS

Straight Pattern.

Flaring Pattern.

### Straight Pattern, Seamed

| Nos. | 12 | 14 | 16 |
|---|---|---|---|
| Quart (wine measure) | 10 | 13 | 16 1-2 |
| Per dozen | $3.25 | 3.50 | 4.00 |

### Flaring Pattern, Seamed

| Inches | 11 | 12 | 13 | 14 |
|---|---|---|---|---|
| Per dozen | $3.25 | 3.50 | 4.25 | 5.00 |

## Sap Pails

### 10 Quart Flaring Sap Pails

Per hundred ..... $10.50

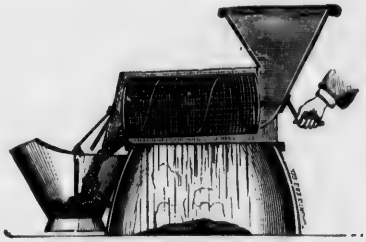
Size at top ..... 10 inches.
Size at bottom ..... 7 inches.
Depth ..... 9 inches.

## Dominion Sap Spouts

Dominion Sap Spouts ..... Per thousand $8.25

Packed in boxes of five hundred and a thousand.

## ASH OR CINDER SIFTERS

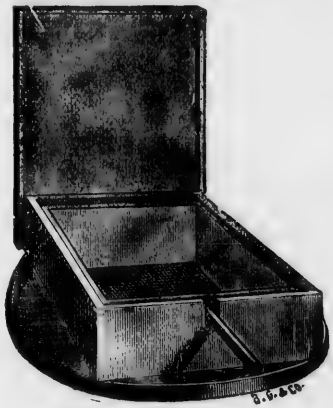


WILSON'S PATENT.

Made of heavy Sheet Iron.

Clean and easily operated.

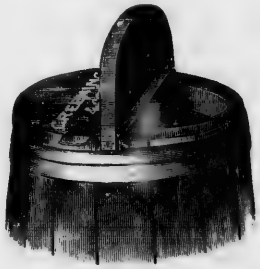
Japanned ..... Each $3.75
Galvanized ..... Each 4.25



No. 3.

No. 1.

No. 3—Square Sifter, made to fit ordinary barrel ..... Per dozen $10.50
No. 1—Extra Strong Sifter, heavy wood hoop in one piece through which the wire mesh is woven by hand.
Per dozen ..... 18.00



No. 2.

### Coal Sieves

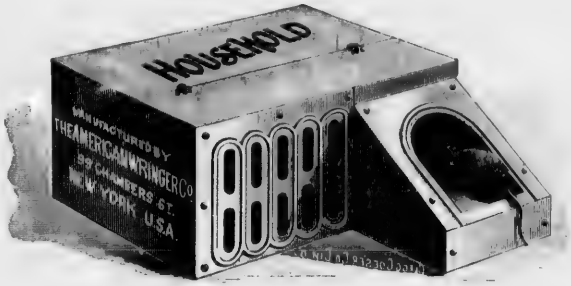
Ash Sifters or Coal Sieves with long handles.

No. 2—Cinder Sifter for barrel, lid hinged at centre ..... Per dozen $12.00

### Square Sifters, with Handles

Square, two in nest, small 10 1-2 x 14 1-2 inches, large 12 1-2 x 16 1-2 inches ..... Per dozen $2.00
Square, all large sizes ..... Per dozen 2.50

## HOUSEHOLD MOUSE TRAP




Self-setting.

The Household, Self-setting Mouse Trap ..... Per dozen $1.80

## Circular Mouse Traps

Circular Wood, 4 holes, tinted red ..... Per dozen $1.00
Circular Tin, 5 holes ..... Per dozen 1.80

## Sparrow Traps

Streeters' Sparrow Traps ..... Per dozen $0.75

## Rat Traps

### Safety Sun Hinged

Safety Sun Hinged Rat Traps ..... Per dozen $2.00

## RAT TRAPS

Wood bottom.

**Re-tinned Cam Lock Trap**

No. **908**—Cam Lock Rat Trap, 6 x 11 inches ..... Per dozen $5.25

No. **5**—Wire Rat Trap, wood bottom, 6 x 12 inches ..... Per dozen $6.00
No. **6**—Wire Rat Trap, wood bottom, 7 1-2 x 14 inches ..... Per dozen 6.50
No. **7**—Wire Rat Trap, wood bottom, 9 x 16 inches ..... Per dozen 7.00

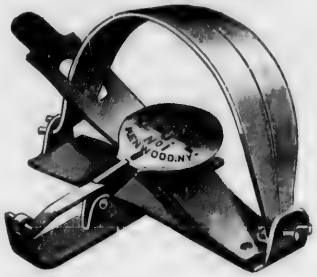
Funnels, Drops and Doors of Sheet Steel.

No. **8**—Round Wire Trap, 12 inch diameter ..... Per dozen $8.00
No. **9**—Round Wire Trap, 14 inch diameter ..... Per dozen 9.00
No. **10**—Round Wire Trap, 16 inch diameter ..... Per dozen 10.00

French Pattern Tinned Wire Rat Traps ..... Per dozen 9.75

## PATENT STEEL GAME TRAPS

### Star (Blake's Pattern)




| | Description. | Per dozen. Without Chains. | With Chains. |
|---|---|---|---|
| No. 0 | Rat or Gopher | $2 25 | $3.25 |
| No. 1 | Muskrat | 2.50 | 3.65 |
| No. 2 | Mink | 3.00 | 4.15 |
| No. 2 1-2 | Fox | 4.50 | 5.75 |
| No. 3 | Otter | 7.00 | 8.50 |
| No. 4 | Beaver | 8.00 | 9.50 |

No. 1 without chains (only) carried in stock, other sizes to order. Nos. 2 1-2, 3 and 4 have double spring.

STAR (BLAKE'S PATTERN). The Star Game Trap is much lighter and occupies considerably less space when packed than the Newhouse Pattern.

### Newhouse Pattern

#### Single Spring

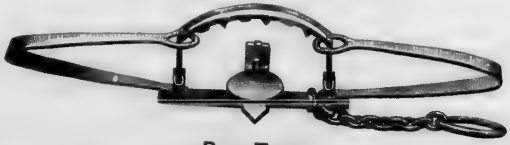
| | Description. | Spread of Jaws. | Per dozen. Without Chains. | With Chains. |
|---|---|---|---|---|
| No. 0 | Rat or Gopher | 3 1-2 inches | $3.25 | $4.25 |
| No. 1 | Muskrat | 4 inches | 3.75 | 5.00 |
| No. 1 1-2 | Mink | 4 7-8 inches | 6.00 | 7.50 |

#### Double Spring

| | Description. | Spread of Jaws. | Per dozen. Without Chains. | With Chains. |
|---|---|---|---|---|
| No. 2 | Fox | 4 7-8 inches | $ 9.00 | $10.50 |
| No. 3 | Otter | 5 1-2 inches | 12.00 | 14.00 |
| No. 4 | Beaver | 6 1-2 inches | 14.50 | 16.50 |

### No. 5 Bear Trap

Made only in "Newhouse" quality.



#### Bear Traps

No. 5—With chain only, spread of jaw 11 3-4 inches ..... Per dozen $140.00

Weight, 17 lbs. each.

## WOODENWARE

### Potato Mashers

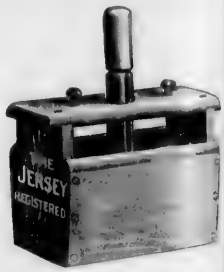
### Rolling Pins

Solid Potato Mashers, extra polished, size 12 x 2 1-2 inch ..... Per dozen $0.75
Packed as wanted.

Revolving Handle Rolling Pins, size 12 x 2 1-2 inch ..... Per dozen 1.13
One dozen in a box.

### Butter Ladles

### Butter Moulds



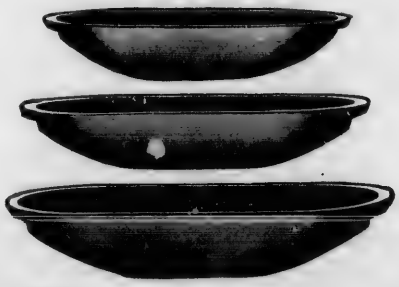

Maple Butter Ladles ..... Per dozen $1.65
Round Butter Moulds, half pound ..... Per dozen 2.75
Round Butter Moulds, one pound ..... Per dozen 3.00
Oblong Butter Moulds, one pound ..... Per dozen 6.00

Packed as wanted.

### Turned Wood Spoons

Turned Wood Spoons, 15 inch ..... Per dozen $0.75
Turned Wood Spoons, 17 inch ..... Per dozen 1.00

### Oval Chopping Trays



Oval Chopping Trays, No. 4, 26 x 14 inches ..... Per dozen $3.75

## BUTTER BOWLS

Polished and Oiled.

| Inches | 15 | 17 | 19 | 21 |
|---|---|---|---|---|
| Per dozen | $3.00 | 4 50 | 6.00 | 8.25 |

## Step Ladders

| Length, feet | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|
| Each | $0.90 | 1.05 | 1.15 | 1.50 | 1.90 |

Shelves extra, 25c. each.

## Spring Clothes Pin

Wire Spring Clothes Pins ..... Per gross $0.75

Two gross in a box.

### Improved Globe Wash Boards

Improved Globe Wash Boards ..... Per dozen $2.25

### Northern Queen Wash Board

Northern Queen Wash Board, perforated ..... Per dozen $3.00

Half dozen in a bundle.

## Wash Board

## CHURNS

### Leader Churn, with Gas Vent

| | |
|---|---|
| No. 1—10 gallons, will churn from 1 to 6 gallons cream | Each $ 8.50 |
| No. 2—15 gallons, will churn from 1 to 8 gallons cream | Each 9.00 |
| No. 3—20 gallons, will churn from 2 to 10 gallons cream | Each 10.00 |
| No. 4—25 gallons, will churn from 2 to 13 gallons cream | Each 12.00 |

### Oak Dash Churns

| Gallons | 6 | 8 | 10 |
|---|---|---|---|
| Plain, Per dozen | $17.25 | 19.50 | 21.75 |
| With cup, Per dozen | 21.00 | 23.25 | 25.50 |
| Cribbed, Per dozen | 22.50 | 24.75 | 27.00 |

## LEMON SQUEEZERS

MAPLE OR BIRCH.

No. **20**—All Wood Lemon Squeezer, sheet steel hinges.....Per dozen $2.50

MAPLE OR BIRCH.

No. **19**—Wood Body Lemon Squeezer, porcelain bowl, steel hinges.....Per dozen $10.50

## The "Queen" Lemon Squeezer

JAPANNED.

The Queen Lemon Squeezer, glass cup, japanned frame.....Per dozen $6.00

## LEMON SQUEEZERS

No. 2—Porcelain, bowl and top, japanned frame.....Per dozen $7.50

## Tinned Lemon Squeezers

No. 4—Crescent, X.C. plate, malleable frame.....Per dozen $2.00

One dozen in a box.

## Lemon Juice Extractors

These Extractors being made of glass are easily kept clean, and extract the pure juice only, without the bitter oil from the seeds and skin of the lemon.

Glass Lemon Juice Extractors.....Per dozen $0.90

One dozen in a box.

## ICE CREAM FREEZERS

**Pails are made of Best Virigina White Cedar, with Electric Welded Wire Hoops, inside parts, tinned, outside parts, galvanized.**

### Gem

### Ice Cream Freezer

| | | |
|---|---|---|
| 2 quarts | Each | $ 3.75 |
| 3 quarts | Each | 4.50 |
| 4 quarts | Each | 5.50 |
| 6 quarts | Each | 7.00 |
| 8 quarts | Each | 9.00 |
| 10 quarts | Each | 12.00 |
| 14 quarts | Each | 15.00 |

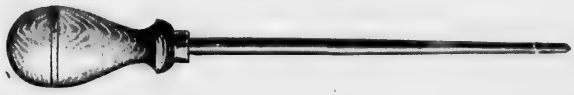
### Crown

### Ice Cream Freezer

DOUBLE ACTION, WITH FLY WHEEL.

| | | |
|---|---|---|
| 10 quarts | Each | $18.00 |
| 14 quarts | Each | 22.00 |
| 8 quarts | Each | 28.00 |
| 24 quarts | Each | 34.00 |

## ICE PICKS



No. 1—Tempered steel blade, hardwood handle..... Per dozen $1.65

One dozen in a box.

No. 3—Hollow iron head, with steel blade passing through head..... Per dozen $3.25

One dozen in a box.

## Combined Hammer and Ice Pick

Bronzed Ball Head Hammer, polished flat blade..... Per dozen $3.00

One dozen in a box.

## Ice Chisels

No. 2—Cast steel blade, hardwood handle, with iron cap..... Per dozen $4.50

One dozen in a box.

## Ice Shredders

For shaving ice coarse or fine.

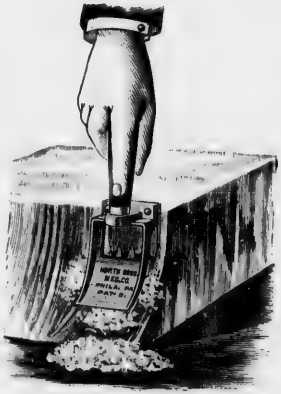
To operate, simply draw the blade upon a piece of ice, the pressure applied producing fine or coarse pieces as desired.

No. 33—Ice Shredders, tinned..... Per dozen $10.80

## ICE CHIPPERS

### Crown Ice Chipper

Will quickly reduce the ice to uniformly small pieces. With ice chipped in such pieces, it is possible to freeze ice cream more rapidly and smoothly, as it packs more solidly around can and excludes the air. It also prevents injury to freezer can, which is frequently caused by large irregular pieces becoming wedged between the tub and can. Will reduce a twenty pound block of ice to small pieces in five minutes.



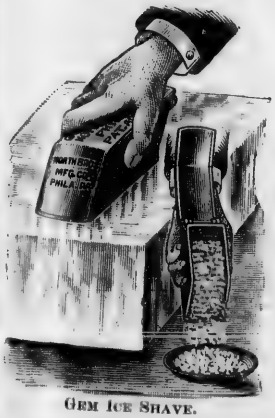
Crown Ice Chipper, wood handle, polished steel blade, galvanized iron guard, Per dozen ..... $7.75

### Star Ice Chipper

Similar in design to the Crown Ice Chipper, but not recommended to do as good or quick work.

Star Ice Chipper, ALL GALVANIZED, iron handle, steel blade.....Per dozen $4.50

### Gem Ice Shave



GEM ICE SHAVE.

As shown in cut, it is constructed like an ordinary plane, made of galvanized cast iron, having in front of the knife a receptacle closed by a lid, in which the ice shaved off collects, as the tool is moved forward and backward over the surface of a block of ice. Being quite short, the tool can be conveniently used on ice laying in a refrigerator; when receptacle is filled, raise the lid and empty the contents, which will be found fine as snow, repeating the operation till the desired quantity is obtained. By means of the set-screw at the back of the Shave the knife can be set further in or out, and thus regulate the fineness of the ice shaved off.

Per dozen ..... $7.75

## FAMILY ICE TONGS

No. 2—Malleable iron, tinned ..... Per dozen $7.00

## Ice Tongs

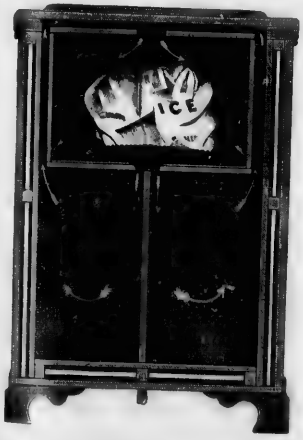
Solid Wrought Steel.

No. 0—Opens 15 inches ..... Per dozen $12.00
No. 1—Opens 18 inches ..... Per dozen 13.50
No. 2—Opens 20 inches ..... Per dozen 17.50
No. 3—Opens 22 inches ..... Per dozen 22.50

## PEERLESS REFRIGERATORS

Style of No. 14.

Style of Nos. 5 and 6.




The arrows in this cut indicate the direction of the air currents. As everyone knows cold air is bound to fall, and warm air equally certain to rise. Recognizing this simple fact, makers have (as an inspection of this cut will show) planned the interior construction in such a manner that an absolute and continuous circulation of pure cold dry air is assured. The air in the Provision Chamber becoming more or less warmed by contact with the food or other articles contained therein, expands and consequently rises, taking with it the vapors and impurities constantly exhaled from the provisions. The only course for this rising air to take, is through the flues, opening from the top of the Provision Chamber on either side. Ascending these flues, and passing through the PATENTED CLEANSABLE SIDE AND TOP FLUE system, the air is discharged upon the ice, passing over and around the ice, and becoming thoroughly chilled the air seeks an outlet. This it finds at the bottom of the Ice Chamber, but not until it has passed completely under the ice and has deposited on the metal plates of the GALVANIZED STEEL BEAM ICE RACK all the vapors and impurities that it contained. These impurities are carried off with the water from the melted ice through the drain pipe, which has a trap UNDERNEATH the Provision Chamber. THERE IS NO TRAP OR LOOSE JOINT WITHIN THE PROVISION CHAMBER TO LEAK DIRTY WATER UPON THE FOOD, and the drain pipe is STRAIGHT, so that it can be easily cleaned. Note also that by this system, we send the air completely around the ice, giving it the longest possible contact with its cooling surface, and do not take it through the side of the Ice Chamber.

For prices and description see page 764.

## PEERLESS HARDWOOD REFRIGERATORS

For cuts see page 763.

Made of best ash or oak lumber, kiln dried, antique finished, doors fitted with automatic lever clamp locks, which bring the door to a tight joint, polished cast brass trimmings, Diss casters with steel retaining sockets.

SPECIAL FEATURES.

Dry air, mineral wool filling, perfect cleansable flue system, seven walls to preserve the ice, galvanized steel beam ice rack.

PRICE LIST.

### With Single Door

| | Width. | Depth. | Height. | Approx'mate Shipping Weight. | Each. |
|---|---|---|---|---|---|
| No. 1A | 27 in. | 19 in. | 43 in. | 135 lbs. | $18.50 |
| No. 2 | 28 in. | 20 in. | 45 in. | 145 lbs. | 21.50 |
| No. 2A | 30 in. | 22 in. | 47 in. | 170 lbs. | 23.50 |
| No. 3 | 32 in. | 24 in. | 49 in. | 190 lbs. | 27.00 |
| No. 14 | 30 in. | 18 in. | 58 in. | 190 lbs. | 26.50 |

No. 14 has opening to ice chamber in front, and is designed for use where space is limited.

### With Double Doors

**With one Large Provision Chamber and no Partition. Admitting large articles, Platters, Pans, etc.**

| | Width. | Depth. | Height. | Approximate Shipping Weight. | Each. |
|---|---|---|---|---|---|
| No. 4 | 36 in. | 22 in. | 47 in. | 190 lbs. | $29.50 |

### With Double Doors

**Two separate Provision Chambers.**

| | Width. | Depth. | Height. | Approximate Shipping Weight. | Each. |
|---|---|---|---|---|---|
| No. 5 | 38 in. | 24 in. | 49 in. | 220 lbs. | $35.50 |
| No. 6 | 40 in. | 26 in. | 51 in. | 270 lbs. | 38.50 |
| No. 7 | 40 in. | 25 in. | 42 in. | 220 lbs. | 29.50 |

No. 7 is low and handy, and ice chamber in easy reach.

### With Double Doors

**Large Ice Chamber. Large and separate Provision Chambers.**

The side flues in this style swing into ice chamber to be cleaned and top flues let down, in this way permitting thorough cleaning.

| | Width. | Depth. | Height. | Approximate Shipping Weight. | Each. |
|---|---|---|---|---|---|
| No. 9 | 42 in. | 26 in. | 54 in. | 315 lbs. | $42.50 |
| No. 10 | 46 in. | 28 in. | 56 in. | 350 lbs. | 47.00 |
| No. 11 | 49 in. | 28 in. | 58 in. | 400 lbs. | 52.00 |

## STOVE SHOVELS

No. 70, STEEL, JAPANNED.

Flat Handle.

No. **70**—Japanned, length 15 inches, size of blade 4 3-4 x 7 inches.....Per dozen $0.60

No. 55, STEEL.

Round Handle.

No. **55**—Japanned, length 16 inches, size of blade 4 3-4 x 7 1-2 inches.....Per dozen $0.75
No. **155**—Galvanized, length 16 inches, size of blade 4 3-4 x 7 1-2 inches.....Per dozen 1.75
No. **157 X 1**—Extra heavy, japanned (not corrugated) size of blade 4 1-2 x 7 1-2 inches.....Per dozen 1.35
No. **157 X 2**—Extra heavy, japanned (not corrugated) size of blade 5 x 9 inches.....Per dozen 1.75

No. 57, STEEL, JAPANNED.

Round Handle.

No. **57**—Japanned, length 23 inches, size of blade 5 x 8 1-2 inches.....Per dozen $1.25

## COTTAGE FIRE IRON SETS

Quarter size cut.
No. 126. Complete, as per cut.

Quarter size cut.
No. 26. Complete, as per cut.

**No. 126**—Tuscan Bronzed Stand, Japanned Poker, Shovel and Claw Tongs.....Per set $13 50
**No. 26**—Tuscan Bronzed Stand, Japanned Poker, Shovel and Flat Tongs.....Per set 13.50

Half dozen sets in a box.

## Malleable Iron Coal Tongs

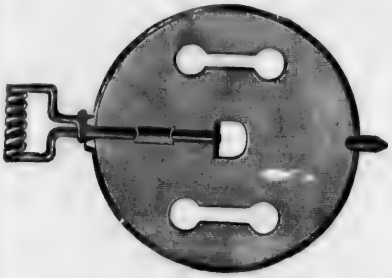
No. 5. Bronzed.

No. 7. Japanned.

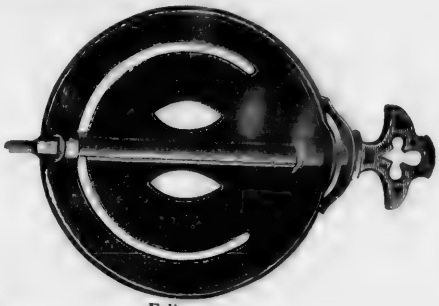
**No. 5**—Malleable Iron Coal Tongs, bronzed.....Per dozen $3.75
**No. 7**—Malleable Iron Coal Tongs, japanned.....Per dozen 3.75

Half dozen in a box.

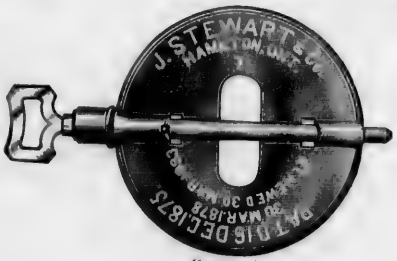
## STOVE PIPE DAMPERS



The Perfect.



Eclipse.




Stewart's.

### The Perfect

Nickel-plated, Alaska Cold Handle.

inch ..... Per dozen $1.35
inch ..... Per dozen 1.50

### Eclipse Improved

Extra Heavy, Nickel-plated Handle.

6 inch ..... Per dozen $1.65
7 inch ..... Per dozen 2.10

### Stewart's Patent

Extra Heavy, Nickel-plated Han

6 inch ..... Per dozen $1.80
7 inch ..... Per dozen 2.00

## Diamond Extension Fire Backs

No Bolts. Slides in Dovetails.

CLOSED

EXTENDED.

This Fire Back can be adjusted to fit any width from 4 1-2 to 7 inches, and any length from 15 to 20 inches ..... Per dozen $9.00

Half dozen in a box.

## CLOTHES LINE REELS

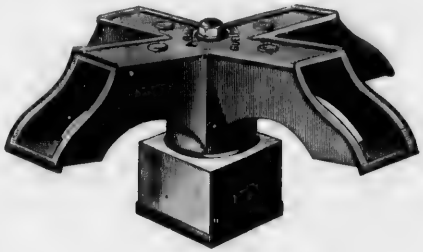
### Round Base

Japanned, light.....Per dozen $9.00

Weight, 11 lbs. each.

Japanned, heavy.....Per dozen 14.75

Weight, 18 lbs. each.



### Square Base

Japanned, light.....Per dozen $ 9.00

Weight, 11 lbs. each.

Japanned, heavy.....Per dozen 14.75

Weight, 18 lbs. each.

### New Pattern

No. 3—Japanned, light.....Per dozen $

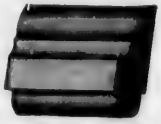
Weight, 19 lbs. each.

No. 4—Japanned, heavy.....Per dozen

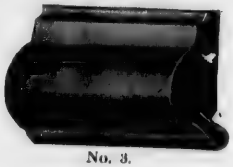
Weight, 25 lbs. each.

## WEATHER STRIPS

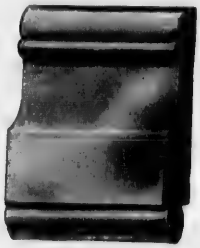
**Hardwood Mouldings, Imitation Walnut, Rubber specially made for purpose.**
**Excludes Wind, Rain, Snow and Dust.**



No. 2.



No. 3.



No. 5.

No. 2—Is used around doors, and also for the lower sash of windows, and is applied to the casing....Per 100 feet $1.50

No. 3—Is used for the meeting rail of the sash, and is applied to the top of the lower sash, or the bottom of upper sash.....Per 100 feet 2.25

No. 5—Is made for the bottom of doors, to be put on inside of the door; the rubber to make a close joint on the threshold.....Per 100 feet 3.00

## Spring Door Bottom

**For Outside Doors**

Spring in back is so arranged that the strain is equalized entire length of guard. In the act of closing the door the front edge of the apron comes in contact with a stop and is thrown down, the rubber makes a close joint on the threshold. With each dozen we furnish, free, three dozen round-head blue screws and necessary stops. They are made of hardwood, imitation of walnut color. Width, 3 inches; length, 2 feet 8 inches, and 3 feet. Can be cut to fit narrow doors.....Price, per dozen $6.75

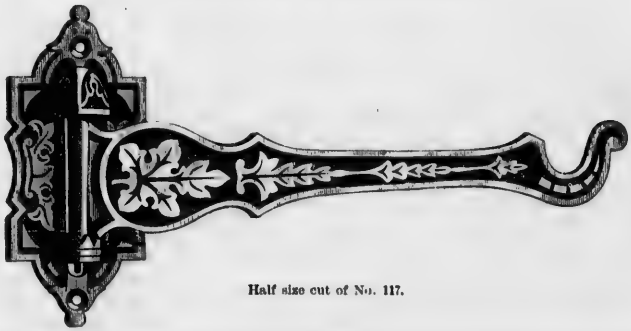
## Tornado Oil Cans

5 gallons, galvanized.....Per dozen $18.75

SPECIAL ADVANTAGES.—The pump supplied with this can is attached by means of a screw, thus giving free access to both can and pump and leaving a large hole for filling.

A cap is fitted over the syphon tube and pump handle, which protects them from being damaged in shipping, a desirable feature not found in other cans.

## SWINGING BIRD CAGE HOOKS



Half size cut of No. 117.

This Hook can be placed at any angle, or turned back against the wall when not in use.

No. **117**—Fancy Assorted Bronzes, packed with screws .....Per dozen $2.50

## Bird Cage Hooks

Steel Screws.

Half size cut.

No. **21**—Gold Bronzed.....Per dozen $1.20

Half size cut.

No. **26**—Berlin Bronzed.....Per dozen $0.75

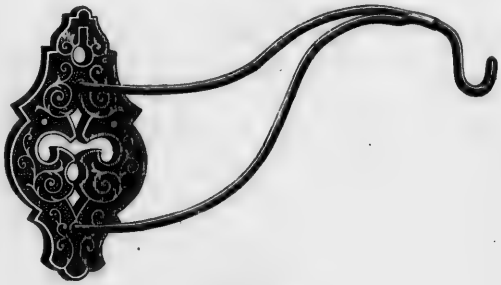
Half size cut

**Patent Swinging Hook**

No. **46**—Berlin Bronzed.....Per dozen $1.00

One dozen in a box.

## BIRD CAGE HOOKS



Cut one-third size.

**Berlin Bronzed, Wide Base**

No. **50**—Berlin Bronzed, wide base.....Per dozen $1.50

Half dozen in a package.

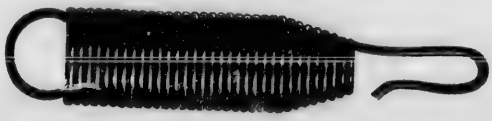
One-third size cut.

**Berlin Bronzed, Patent Swinging Hook**

No. **51**—Berlin Bronzed, Patent Swinging Hook, wide base .....Per dozen $1.40

Half dozen in a package.

## Bird Cage Springs



Brass Bird Cage Springs.....Per dozen $0.75

One dozen in a box.

## JAPANNED BIRD CAGES

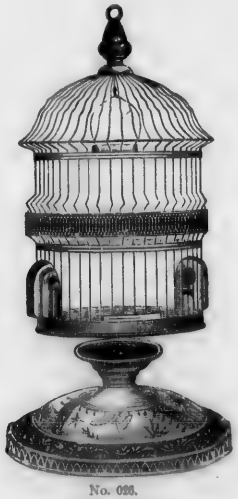
Nos. 1, 2, 3, 4, 5.
Japanned.

Nos. 6, 7, 8, 9.
Japanned.

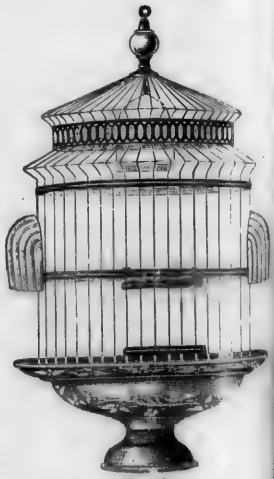
Nos. 15, 17.
Japanned.

| | | |
|---|---|---|
| No. **1**—7 1-2 inches diameter | Per dozen | $ 9.50 |
| No. **2**—8 inches diameter | Per dozen | 10.50 |
| No. **3**—8 1-2 inches diameter | Per dozen | 12.00 |
| No. **4**—9 inches diameter | Per dozen | 13.00 |
| No. **5**—10 inches diameter | Per dozen | 15.00 |
| No. **6**—8 inches diameter | Per dozen | 10.50 |
| No. **7**—8 1-2 inches diameter | Per dozen | 12.50 |
| No. **8**—9 inches diameter | Per dozen | 14.00 |
| No. **9**—10 inches diameter | Per dozen | 16.00 |
| No. **15**—8 1-2 inches diameter | Per dozen | 16.00 |
| No. **17**—9 inches diameter | Per dozen | 16.00 |

Nos. 10, 11.
Japanned.



No. 026.
Japanned.

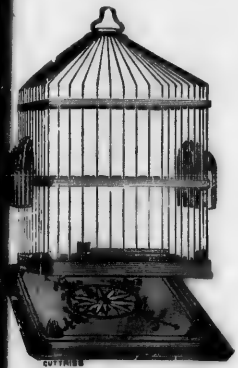


No. 113.
Japanned.

| | | |
|---|---|---|
| No. **10**—9 inches diameter | Per dozen | $13.00 |
| No. **11**—8 1-2 inches diameter | Per dozen | 13.00 |
| No. **026**—9 inches diameter | Per dozen | 23.00 |
| No. **113**—9 1-4 inches diameter | Per dozen | 26.00 |

For assorted cases see page 779.

## JAPANNED BIRD CAGES



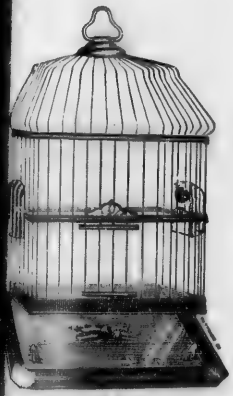
Nos. 20 and 24 Wire Ring.
Nos. 25 and 26 Wood Cap.
Japanned.

Nos. 109, 111.
Japanned.

Nos. 107, 108.
Japanned.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | **20**— | 7 3-4 | x | 7 3-4 | inches | Per dozen | $10.50 |
| No. | **24**— | 8 | x | 8 | inches | Per dozen | 12.50 |
| No. | **25**— | 8 1-2 | x | 8 1-2 | inches | Per dozen | 14.50 |
| No. | **26**— | 9 | x | 9 | inches | Per dozen | 16.50 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | **100**— | 8 1-4 | x | 6 1-2 | inches | Per dozen | $12.50 |
| No. | **111**— | 8 1-4 | x | 8 1-4 | inches | Per dozen | 17.00 |
| No. | **107**— | 8 1-2 | x | 7 | inches | Per dozen | 13.00 |
| No. | **108**— | 9 1-4 | x | 7 3-4 | inches | Per dozen | 18.00 |



No. 83.
Japanned.

No. 110.
Japanned.

Nos. 112, 105, 106.
Japanned.

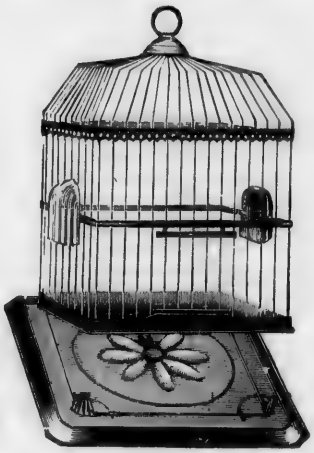
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | **83**— | 7 | x | 10 | inches | Per dozen | $16.00 |
| No. | **110**— | 9 1-4 | x | 7 3-4 | inches | Per dozen | 19.00 |
| No. | **105**— | 7 3-4 | x | 7 3-4 | inches | Per dozen | 14.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | **106**— | 9 1-4 | x | 9 1-4 | inches | Per dozen | $16.00 |
| No. | **112**— | 10 1-2 | x | 8 1-2 | inches | Per dozen | 25.00 |

For assorted cases see page 779.

## JAPANNED BIRD CAGES

Nos. 016, 017, 019, 020.
Japanned.



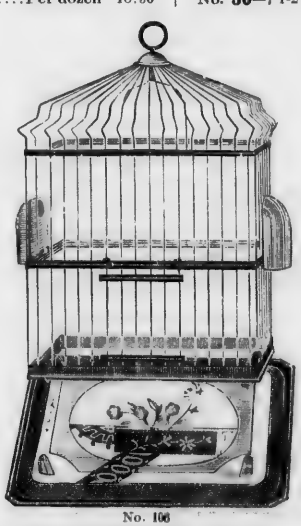
Nos. 76, 77, 78.
Japanned.

No. 50.
Japanned.

No. **016**—6 1-4 x 8 inches.....Per dozen $13.00
No. **017**—7 1-2 x 10 inches.....Per dozen 15.00
No. **019**—8 x 10 1-2 inches.....Per dozen 16.50
No. **020**—8 1-2 x 11 1-4 inches.....Per dozen 18.50

No. **76**—7 3-4 x 7 3-4 inches.....Per dozen $12.50
No. **77**—8 1-4 x 8 1-4 inches.....Per dozen 14.50
No. **78**—8 1-2 x 8 1-2 inches.....Per dozen 16.50
No. **50**—7 1-2 x 11 inches.....Per dozen 26.00

Nos. 21, 22, 23.
Japanned.



No. 106
Japanned.

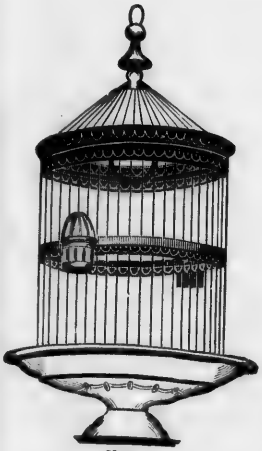
Nos. 55, 56.
Japanned.

No. **23**—6 1-2 x 9 1-2 inches.....Per dozen $13.00
No. **22**—7 1-2 x 11 inches.....Per dozen 15.50
No. **21**—8 1-2 x 11 1-2 inches.....Per dozen 18.00

No. **106**—9 1-4 x 9 1-4 inches.....Per dozen $16.00
No. **55**—7 1-2 x 10 3-4 inches.....Per dozen 20.00
No. **56**—8 1-2 x 11 3-4 inches.....Per dozen 22.00

For assorted cases see page 779.

## JAPANNED BIRD CAGES



No. 28.
Japanned.

No. 68.
Japanned.

No. 69.
Japanned.

No. **28** – 9 inches diameter ..... Per dozen $18.00
No. **68**— 9 inches diameter ..... Per dozen 24.00
No. **69**—10 inches diameter ..... Per dozen 32.00

No. 93.
Japanned.

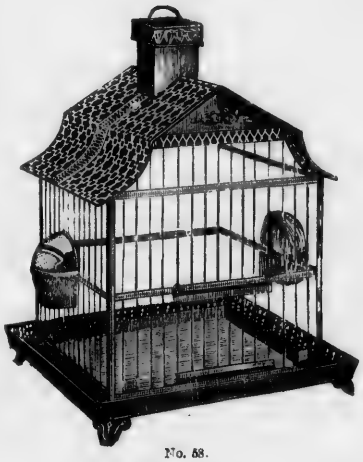
No. 97.
Japanned.

No. 92.
Japanned.

No. **93** –8 x 11 inches ..... Per dozen $36.00
No. **97** –9 3-4 x 9 3-4 inches ..... Per dozen 25.00
No. **92** –8 1-2 x 8 1-2 inches ..... Per dozen 22.00

For assorted cases see page 779.

## JAPANNED BIRD CAGES



No. 58.
Japanned.

No. 116.
Japanned. Fancy Glass Guard.

No. **58**— 9 x 9 inches.....Per dozen $24.00
No. **116**—10 x 10 inches.....Per dozen 38.00

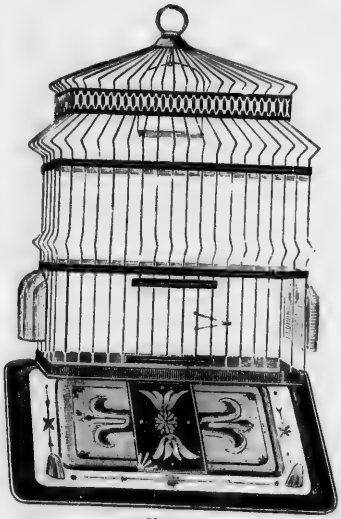
No. 102.
Japanned.

No. 62.
Japanned.

No. **102**—10 1-4 x 7 1-2 inches.....Per dozen $33.00
No. **62**—10 3-4 x 10 3-4 inches.....Per dozen 36.00

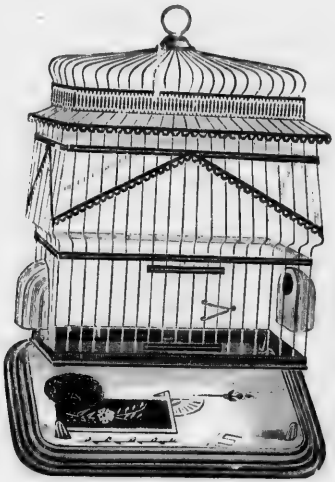
For assorted cases see page 779.

## JAPANNED BIRD CAGES



No. 114.

Japanned.



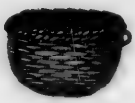
No. 115.

Japanned.

No. **114**—10 1-4 x 8 1-4 inches ..... Per dozen $27.00 | No. **115**—12 x 9 1-4 inches ..... Per dozen $32.00

For assorted cases see page 770.

### Willow Nests



Per dozen ..... $0.90

### Wire Nests

Per dozen ..... $0.90

### Clear Glass Founts

Per dozen ..... $0.75

### Opal Glass Founts

For Brass Cages

Per dozen ..... $0.85

### Bird Baths

Per dozen ..... $0.80

## BRASS BIRD CAGES

Nos. 205, 206.
Brass.

Nos. 200, 201, 202, 203.
Brass.

Nos. 262, 266.
Brass.

| | | |
|---|---|---|
| No. **205**—8 inches diameter | Per dozen | $30.00 |
| No. **206**—8 1-2 inches diameter | Per dozen | 33.00 |
| No. **200**—7 1-2 inches diameter, 14 1-2 inches high | Per dozen | 21.00 |
| No. **201**—8 inches diameter, 16 1-2 inches high | Per dozen | 23.00 |
| No. **202**—8 5-8 inches diameter, 17 1-2 inches high | Per dozen | 25.00 |
| No. **203**—9 inches diameter, 18 inches high | Per dozen | 27.00 |
| No. **262**—8 x 10, 14 inches high | Per dozen | 48.00 |
| No. **266**—8 1-2 x 11, 14 3-4 inches high | Per dozen | 52.00 |

No. 259.
Brass.

No. 264.
Brass.

Nos. 228, 256.
Brass.

| | | |
|---|---|---|
| No. **259**—6 5-8 x 8 5-8 inches | Per dozen | $23.00 |
| No. **264**—8 x 10 inches, 14 1-2 inches high | Per dozen | 48.00 |
| No. **228**—6 5-8 x 8 5-8 x 10 3-4 inches high | Per dozen | 22.00 |
| No. **256**—7 1-2 x 9 1-2 x 10 3-4 inches high | Per dozen | 25.00 |

For assorted cases see page 779.

## BIRD CAGES

### Assorted Cases

**Case No. 30A contains 6 selected Japanned Cages**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 1 | 6 | 111 | 76 | 28 | 97 |
| Each | | $0.85 | .95 | 1.50 | 1.10 | 1.55 | 2.15 |

Per case, $8.10.

**Case No. 55 contains 6 selected Japanned Cages**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 11 | 113 | 92 | 62 | 58 | 69 |
| Each | | $1.20 | 2.25 | 2.25 | 3.10 | 2.10 | 2.80 |

Per case, $13.70.

**Case No. 10 contains 8 selected Japanned Cages**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 1 | 2 | 3 | 20 | 016 | 017 | 24 | 109 |
| Each | | $0.85 | .95 | 1.15 | .95 | 1.15 | 1.35 | 1.10 | 1.10 |

Per case, $8.60.

**Case No. 50 contains 12 selected Japanned Cages**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 1 | 2 | 3 | 10 | 15 | 76 | 77 | 78 | 83 | 017 | 23 | 75 |
| Each | | $0.80 | .93 | 1.05 | 1.13 | 1.39 | 1.09 | 1.26 | 1.43 | 1.39 | 1.35 | 1.13 | 1.72 |

Per case, $14.67.

**Case No. 30 contains 12 selected Japanned Cages**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 016 | 017 | 20 | 019 | 25 | 020 | 76 | 24 | 106 | 26 | 77 | 78 |
| Each | | $1.15 | 1.35 | .95 | 1.38 | 1.25 | 1.55 | 1.09 | 1.10 | 1.84 | 1.40 | 1.26 | 1.43 |

Per case, $15.25.

**Case No. 70 contains 18 selected Japanned Cages**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 105 | 107 | 109 | 111 | 113 | 115 | 76 | 83 | 68 |
| Each | | $1.25 | 1.17 | 1.13 | 1.50 | 2.25 | 2.75 | 1.13 | 1.42 | 2.08 |
| 1 Cage each | Nos. | 106 | 108 | 110 | 112 | 114 | 116 | 15 | 2 | 7 |
| Each | | $1.42 | 1.58 | 1.66 | 2.21 | 2.33 | 3.25 | 1.45 | .96 | .96 |

Per case, $30.50.

**Case No. 40 contains 15 selected Japanned Cages and 3 all Brass**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 Cage each | Nos. | 6 | 3 | 5 | 26 | 15 | 78 | 20 | 82 |
| Each | | $0.93 | 1.05 | 1.30 | 1.42 | 1.38 | 1.42 | .93 | 1.34 |
| 1 Cage each | Nos. | 83 | 55 | 50 | 92 | 102 | 69 | 93 | |
| Each | | $1.39 | 1.76 | 2.22 | 1.89 | 2.80 | 2.72 | 3.06 | |

BRASS CAGES.

| | | | | |
|---|---|---|---|---|
| 1 Cage each | Nos. | 206 | 228 | 203 |
| Each | | $2.89 | 1.97 | 2.39 |

Per case, $32.86.

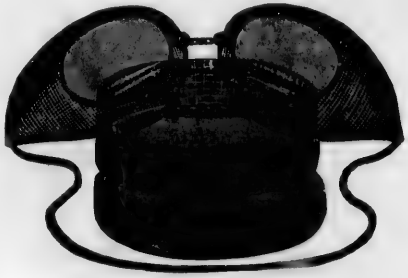
For descriptions of above cages see pages 772-778.

## SPECTACLES

No. **110**—Blued, tempered steel frames ..... Per dozen $1.75
No. **800**—Blued, tempered steel frames ..... Per dozen 4.25

One dozen in a box.

## Goggles



### In Tin Boxes

Wire Goggles, in japanned tin boxes, all wire ..... Per dozen $0.75
Wire Goggles, in japanned tin boxes, white glasses ..... Per dozen .90
Wire Goggles, in japanned tin boxes, green glasses ..... Per dozen .90
Wire Goggles, in japanned tin boxes, assorted colors ..... Per dozen .90

One dozen in a box.

## Spectacle Cases

No. 170. Open End Planished Tin Spectacle Cases

No. **170**—Open End Spectacle Cases ..... Per dozen $1.80

One dozen in a box.

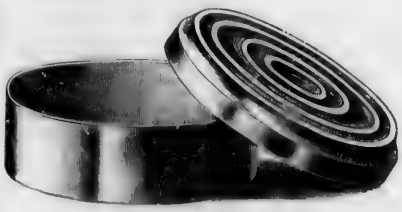
## SHAVING BOXES

### Wood Shaving Boxes

Porcelain Cup, with Mirror.

No. **7324**—Varnished Box, 3 1-4 inches..... ....Per dozen $1.50

One dozen in a package.



Nos. 2 and 3.

EXCELSIOR.

### Metallic Shaving Boxes

No. **2**—Polished Metallic Shaving Boxes, 3 inches.. .... Per dozen $1.25
No. **3**—Polished Metallic Shaving Boxes, 3 1-4 inches .... Per dozen 1.50

### Excelsior Shaving Boxes

Nickel-Plated, Porcelain Cup, with Mirror.

Excelsior Shaving Boxes, with porcelain cup and mirror, 3 1-4 inches.... Per dozen $4.10

Half dozen in a box.

## Lather or Shaving Brushes

Style of 5914.

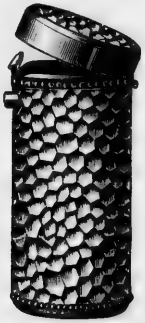
No. **5311 X 5**—White metal base, black, wood handle, white bristles..... Per dozen $1.40
No. **5387 X 3**—White bone base, varnished handle, white bristles .... Per dozen 1.85
No. **5387 X 4**—White bone base, varnished handle, white bristles .... Per dozen 1.85
No. **5312 X 2**—White metal base, black wood handle, white bristles .... Per dozen 2.40
No. **5914 X 3**—Solid white handle, white bristles .... Per dozen 2.15
No. **7271 X 4**—Solid white metal handle, white bristles.... Per dozen 2.40
No. **7271 X 6**—Solid white metal handle, white bristles.... Per dozen 2.60
No. **6271 X 4**—Solid white metal handle, imitation Badger hair .... Per dozen 3.30
No. **53576**—Nickel-plated metal handle, white bristles.... Per dozen 3.45
No. **62576** Nickel-plated metal handle, imitation Badger hair .... Per dozen 2.50
Per dozen 4.50

Bristle base of Nos. 53576 and 62576 are detachable and can be enclosed in handle, which is hollow and fitted with a screw cap.

Half dozen in a box.

## MATCH SAFES

No. 200. Nickel and leather covered Match Safe.



Excelsior Hammered Match Safe.

Excelsior Nickel Match Safe.

**No. 200**—Nickel and Leather Covered Match Safe ..... Per dozen $2.25
Excelsior Hammered Match Safe ..... Per dozen 1.65
Excelsior Nickel Match Safe ..... Per dozen 1.20

One dozen in a box.

Combination Nickel Match Safe.

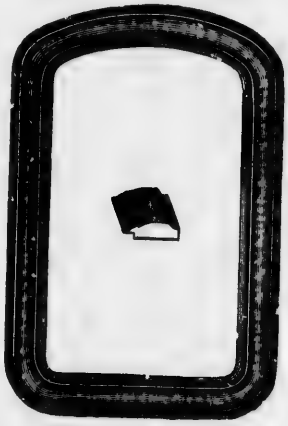
Automatic Nickel Match Safe.

Patent Mascot Match Safe, Plain Nickel Plated.

Combination Nickel Match Safe ..... Per dozen $2.55
Automatic Nickel Match Safe ..... Per dozen 2.65
Patent Mascot Match Safe, plain nickel plated ..... Per dozen 3.25

One dozen in a box.

## LOOKING GLASSES



Arch Top.

Imitation Burl Walnut Frames, with Bronze Lining.

| Inch | 8 x 10 | 9 x 12 | 10 x 14 | 10 x 17 | 12 x 18 | 12 x 20 | 14 x 24 |
|---|---|---|---|---|---|---|---|
| Per dozen | $5.25 | 6.25 | 7.50 | 9.00 | 9.75 | 10.50 | 14.25 |

Louise.

3-4 Inch Frame, Black Enamelled, with White Hollow Front and Back.

| Inch | 5 x 7 | 6 x 9 | 7 x 9 | 8 x 10 | 9 x 12 |
|---|---|---|---|---|---|
| Per dozen | $1.95 | 2.40 | 2.85 | 3.25 | 4.00 |

## Mirror Plates

**Shock Mirror Plates in all Standard Sizes**

**French and British Mirror Plates**

**Beveled Edge Mirror Plates**

## SWISS HAND BELLS

PURE BELL METAL.

**Polished**

| Nos | 2 | 4 | 6 | 8 | 10 | 12 |
|---|---|---|---|---|---|---|
| Per dozen | $1.65 | 3.30 | 5.10 | 7.75 | 13.50 | 16.25 |

**Nickel Plated**

| Nos | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|
| Per dozen | $1.95 | 4.00 | 6.25 | 9.25 | 16.50 |

## Milkmen's or Auctioneers' Bells

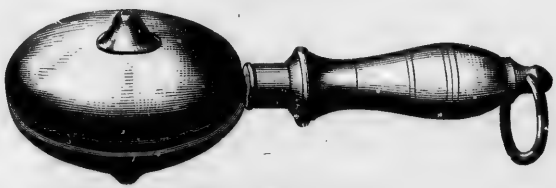
PURE BELL METAL.

No. **20**—Extra heavy ..... Each $3.00

## Globe Hand Bells

Cone's Patent.

SILVER WHITE FINISH.



One-third size cut of No. 50.

| Nos | 40 | 50 | 55 |
|---|---|---|---|
| Inch | 4 | 5 | 5 1-2 |
| Each | $1.90 | 2.35 | 3.15 |

One-sixth dozen in a box.

## TEA AND CALL BELLS

No. 6819.

No. 26.

No. 840.

No. B 3519.

No. **6819 X 2**—White Metal Tea Bell.....Per dozen $ 3.00
No. **5**—Nickel-plated Tea Bell, black enamelled handle, small.....Per dozen .75
No. **10**—Nickel-plated Tea Bell, black enamelled handle, large.....Per dozen 1.00
No. **15**—Nickel-plated Call Bell, black enamelled base.....Per dozen 1.00
No. **26**—Full Nickel-plated Bell and Base.....Per dozen 1.75
No. **840**—Nickel-plated White Metal Bell, gold lacquered base.....Per dozen 4.50
No. **B 3519**—Full Nickel-plated Bell and Base.....Per dozen 16.00
.....Per dozen 18.00

No. 28.

No. 50.

No. 44.

No. **28**—Nickel plated Bell and Base.....Per dozen $13.50
No. **38**—Nickel-plated Bell and Base (as No. 28, but tripod base).....Per dozen 18.00
No. **50**—Nickel-plated Bell, bronzed figure, 8 inches high.....Each 2.00
No. **44**—Nickel-plated Bell, nickelled figure, 5 1-2 inches high.....Each 2.10

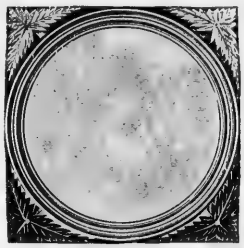
## BREAD PLATES

MADE FROM SELECTED WHITE WOOD.

No. K.

No. 63.

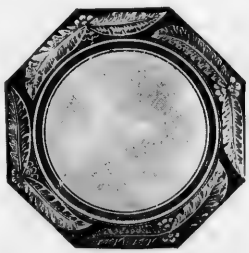
No. **K**—Round Bread Plates, 12 inches.....Per dozen $ 7.25
No. **63**—Round Bread Plates, selected wood, 14 inches.....Per dozen 11.00



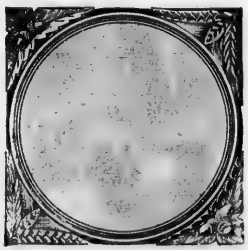
No. 2828.

No. 2837.

No. **2828**—Square Bread Plates, 12 inches.....Per dozen $13.50
No. **2837**—Octagon Bread Plates, 12 inches.....Per dozen 14.25



No. 2896.

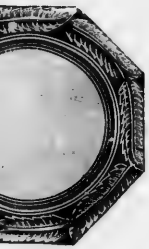


No. 2755.

No. **2896**—Octagon Bread Plates, 12 inches.....Per dozen $20.50
No. **2755**—Square Bread Plates, selected, 12 inches.....Per dozen 32.00

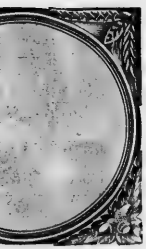
No. 63.

.....Per dozen $ 7.25
.....Per dozen 11.00



No. 2837.

.....Per dozen $13.50
.....Per dozen 14.25



No. 2755.

.....Per dozen $20.
.....Per dozen 22.

## JAPANNED TRAYS

No. 2775. Gilt Border, Colored Figure.

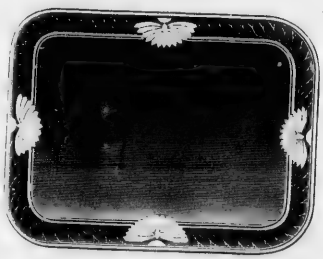
No. **2775**—Japanned Tray, 14 inches.....Per dozen $1.93

No. **5744**—Gilt Border.

| Inches | 16 | .... | 20 | .... | 24 |
|---|---|---|---|---|---|
| Per dozen | $3.50 | .... | 4.50 | .... | 6.00 |

No. **5850**—Gilt Border.

| Inches | 16 | .... | 20 | .... | 24 |
|---|---|---|---|---|---|
| Per dozen | $4.25 | .... | 6.00 | .... | 8.25 |



No. **5871**—Gilt Border.

| Inches | 16 | .... | 20 | .... | 24 |
|---|---|---|---|---|---|
| Per dozen | $6.50 | .... | 9.00 | .... | 12.25 |

No. **6770**—Colored Ornamentation.

| Inches | 16 | .... | 20 | .... | 24 |
|---|---|---|---|---|---|
| Per dozen | $10.25 | .... | 15.00 | .... | 18.00 |

## TRAYS

### The "Marvel" Waiter

Assorted Designs.

No. **20**—9 inches ..... Per gross $14.00
No. **30**—12 inches ..... Per gross 23.00

A good strong serviceable white metal tray, highly polished. Splendid designs.

### Genuine Carpathian Silver Trays

**Equal in appearance to Sterling Silver. Wear White throughout.**

**7,000,000 now in use.**

No. 40.

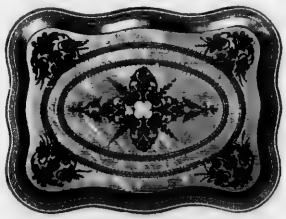
Assorted Designs.

| Inches | 12 | 16 |
|---|---|---|
| Per dozen | $8.00 | 16.75 |

No. 60.

Assorted Designs.

| Inches | 16 | 18 | 20 |
|---|---|---|---|
| Per dozen | $10.00 | 16.00 | 25.00 |



No. 50.

| Inches | 12 | 16 | 20 |
|---|---|---|---|
| Per dozen | $8.50 | 20.00 | 44.00 |

No. 70.

Assorted Designs.

| Inches | 13 | 16 |
|---|---|---|
| Per dozen | $5.00 | 10.00 |

The strength, quality, finish, and durability of these Trays have alone gained for them the world-wide reputation they now enjoy. Beware of spurious imitations on the market.

IMPORTANT.—None are genuine without the Registered Trade Mark, 'GNUN' at the back of the Tray.

## CORKSCREWS

No. 652.

No. 1718.

No. 2550.

No. **2550**—Folding Pocket, Round Screw, polished ..... Per dozen $0.70
No. **671**—Folding Pocket, Round Screw, polished ..... Per dozen .70
No. **2547X5**—Folding Pocket, Round Screw, polished ..... Per dozen 1.05
No. **120**—Delmonico Nickel-plated, Round Screw, small ..... Per dozen 2.05
No. **115**—Delmonico Nickel-plated, Round Screw, large ..... Per dozen 2.05
No. **621**—Folding Pocket, Sharp Screw, polished ..... Per dozen .90
No. **652**—Folding Pocket, Sharp Screw, polished ..... Per dozen 1.35
No. **2551**—Folding Pocket, Sharp Screw, nickel-plated ..... Per dozen 1.50
No. **2540**—Folding Pocket, Sharp Screw, nickel-plated ..... Per dozen 1.80
No. **1718**—Folding Pocket, with Spring and Sharp Screw, nickel-plated ..... Per dozen 2.10
No. **2269**—On cards, nickel and gilt wire, T. handle ..... Per dozen .90

Nos. 741 and 7293.

No. 6145.

No. 6154.

No. 210¾.

No. 51.

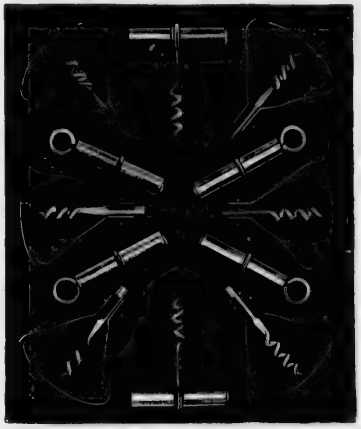
No. 6774.

No. 2530.

No. **7293**—Hardwood Handle, Round Screw ..... Per dozen $1.50
No. **7092**—Black Enamelled Handle, Round Screw, square shank ..... Per dozen 1.80
No. **475**—Black Handle, Round Screw ..... Per dozen 1.15
No. **741**—Hardwood Handle, Round Screw, nickel-plated ..... Per dozen 2.85
No. **11667**—Stag Handle, Round Screw, extra heavy shank ..... Per dozen 3.60
No. **51**—Adelaide Buff Handle, Round Screw ..... Per dozen 3.75
No. **6145**—Lightwood Handle, Sharp Screw, nickel-plated ..... Per dozen 3.00
No. **3**—Boxwood Handle (as No. 6154) ..... Per dozen 3.25
No. **6774**—Adelaide Buff Handle, Sharp Screw ..... Per dozen 3.60
No. **6154**—Brown Wood Handle, Sharp Screw, nickel-plated ..... Per dozen 4.25
No. **740**—Brown Wood Handle, with brush, heavy shank ..... Per dozen 5.25
No. **23**—Black Enamelled Handle, with brush (Handle same as 6154), Sharp Screw ..... Per dozen 5.25
No. **210 3-4**—Sharp Screw, nickel-plated ..... Per dozen 9.75
No. **2446**—On cards, Nickel-plated Screw, stag handle ..... Per dozen 2.50

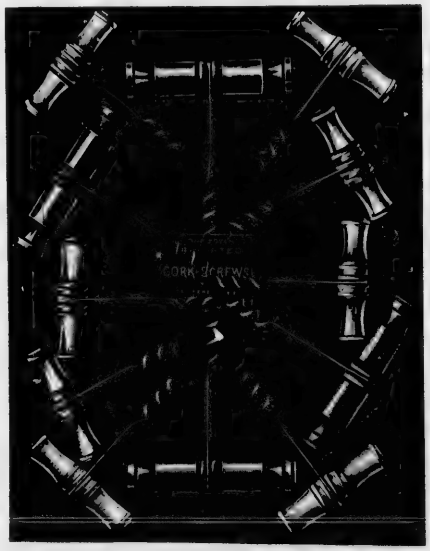
Half dozen on a card.

## CORK SCREWS ON CARDS



No. **165**—Tempered Steel Pocket Corkscrews, nickel-plated..... .....Per card $1.50

Twelve cards in a box.



No. **12**—Tempered Steel Table Corkscrews, nickel-plated..... ....Per card $1.00

Twelve cards in a box.

## QUICK AND EASY CORK PULLER

Cut showing Puller in position to use.

Cut showing Crown and Seal Lifter Attachment and position of Lever after cork is drawn.

**1895 Design**

**With Improved Bottle Holder**

**No Springs, no Gears, no Intricate Parts to get out of Order.**

Finely finished in nickel.....Each $4.50

This machine combines all the latest improvements, making it the most complete Puller on the market.

The extension of the mouth of the machine makes a centering and gripping device that holds the bottle in perfect line with the screw, thus preventing all possibility of breakage of bottle or screw by coming in contact with each other.

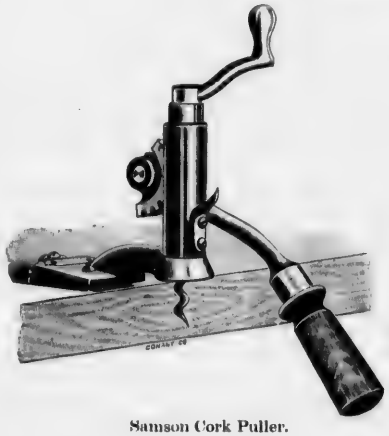
One movement of the lever forward draws the cork, the reverse movement throws the cork off and places the lever back in position.

Owing to the angle of the base only a slight pressure is required to hold the bottle in place while the cork is being drawn. It is provided with crown and seal lifter attachment conveniently placed at one side of the Puller, which is easy to operate and always in place, making a valuable addition, which is highly appreciated. The machine is strongly constructed in every part, each screw being subjected to a severe test. The nut that screw works in is made of a superior composition, giving lasting and wearing qualities.

**Extra Screws and Nuts for Quick and Easy Cork Puller**

Extra Screws.....Per dozen $6.50
Extra Nuts.....Per dozen 6.50

## SAMSON CORK PULLER



Samson Cork Puller.

### Samson Cork Puller

Nickel-Plated.

A complete and simple machine for Bars, Hotels, etc.

Has stood the test of years.

Each..... $2 00

## Walker's Perfected Lemon Squeezer

With Clamp.

**For Bars, Hotels, etc.**

Malleable iron, nickel-plated, squeezer heads double coated with tin, each being easily removed for cleansing.

Each..... $3.50

These Squeezers are made to meet the demand for a machine that will remove all the juice from the lemon without extracting the oil from the peel or crushing the seeds, which impart a bitter flavor to the juice.

## STAMPED TINWARE

### Dish Pans

Flat Edge—Retinned.

| Quarts | | 8 | 10 | 14 | 17 | 21 |
|---|---|---|---|---|---|---|
| Inches | | 14 x 4½ | 14¾ x 5¼ | 16¼ x 5¼ | 17¾ x 6 | 19½ x 6¼ |
| I C | Per dozen | $8.75 | 9.75 | 11.25 | 13.50 | |
| I X | Per dozen | 9.75 | 11.25 | 13.50 | 16.50 | 20.25 |
| I X X | Per dozen | | 13.00 | 16.00 | 19.00 | 23.00 |
| Plain | Per dozen | | 7.50 | 9.00 | 10.50 | 13.25 |

### Kneading Pans

Retinned.

| Quarts | 17 |
|---|---|
| Inches | 17 x 6¾ |
| I C—With Covers | Per dozen $ 30.00 |
| I X—With Covers | Per dozen 35.00 |
| I X X—With Covers | Per dozen 40.00 |
| Covers only | Per dozen 10.00 |

### Sauce Pans

Lipped—Retinned.

| Nos. | 09 | 010 | 012 | 014 | 016 |
|---|---|---|---|---|---|
| Inches | 4⅛ x 2⅛ | 5 x 2¼ | 6 x 2½ | 6½ x 3¼ | 7 x 3½ |
| Quarts | ½ | ¾ | 1 | 1½ | 2 |
| Per dozen | $2.50 | 2.75 | 3.15 | 3.70 | 4.40 |

| Nos. | 018 | 020 | 022 | 024 | 026 | 028 | 030 |
|---|---|---|---|---|---|---|---|
| Inches | 8 x 3½ | 8½ x 4 | 8⅞ x 4¼ | 10 x 4¼ | 10¼ x 5 | 11¼ x 5½ | 12 x 5¼ |
| Quarts | 2½ | 3½ | 4½ | 5½ | 6½ | 8 | 10 |
| Per dozen | $5.15 | 6.00 | 7.00 | 7.85 | 9.00 | 10.00 | 13.00 |

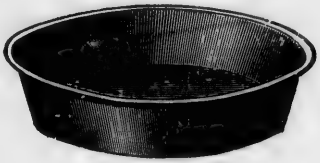
### Preserving Kettles

Lipped—With Back Handles—Retinned.

| Nos. | 160 | 180 | 200 | 220 |
|---|---|---|---|---|
| Inches | 7 x 3½ | 8 x 3½ | 8½ x 4 | 8⅞ x 4¼ |
| Quarts | 2 | 2½ | 3½ | 4½ |
| Per dozen | $5.30 | 5.70 | 6.20 | 7.25 |

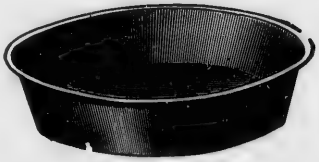
| Nos. | 240 | 260 | 280 | 300 |
|---|---|---|---|---|
| Inches | 10 x 4¼ | 10¾ x 5 | 11¼ x 5½ | 12 x 5¼ |
| Quarts | 5½ | 6¼ | 8 | 10 |
| Per dozen | $8.20 | 9.60 | 11.25 | 13.00 |

## STAMPED TINWARE



### Milk Pans, IC

| Quarts | 1-2 | 1 | 1 1-2 | 2 | 3 |
|---|---|---|---|---|---|
| Inches | 6⅛ x 1⅛ | 7 x 1⅝ | 7⅝ x 1⅞ | 8½ x 2 | 9¼ x 2⅛ |
| Plain, per doz | $1.15 | 1.45 | 1.70 | 1.95 | 2.20 |
| Retinned, per doz. | 1.65 | 2.00 | 2.35 | 2.75 | 3.20 |
| Quarts | 4 | 6 | 8 | 10 | 12 |
| Inches | 10⅝ x 2½ | 12⅝ x 2⅝ | 13½ x 3 | 14 x 3½ | 16 x 3½ |
| Plain, per doz | $2.90 | 3.30 | 4.00 | 4.30 | 5.00 |
| Retinned, per doz. | 4.25 | 5.10 | 5.80 | 7.00 | 8.00 |



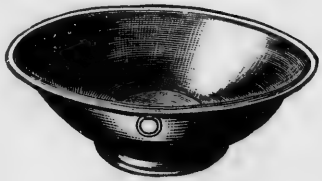
### Milk Pans, IX

| Quarts | 4 | 6 | 8 | 10 | 12 |
|---|---|---|---|---|---|
| Inches | 10⅝ x 2½ | 12⅝ x 2⅝ | 13½ x 3 | 14 x 3½ | 16 x 3½ |
| Plain, per doz | $3.90 | 4.70 | 5.50 | 6.25 | 7.00 |
| Retinned, per doz. | 5.25 | 6.50 | 7.30 | 8.00 | 9.00 |

### Pudding Pans

Extra Deep.

| Quarts | 1 | 1 1-2 | 2 | 3 |
|---|---|---|---|---|
| Inches | 6½ x 2¾ | 7⅞ x 2¾ | 8¾ x 2⅞ | 9½ x 3⅛ |
| Plain, per doz | $1.95 | 2.15 | 2.50 | 3.00 |
| Retinned, per doz | 2.65 | 3.10 | 3.60 | 4.30 |
| Quarts | 4 | 6 | 8 | 10 |
| Inches | 10½ x 3¼ | 12 x 3¼ | 14 x 3½ | 16 x 3½ |
| Plain, per doz | $3.50 | 4.75 | 5.00 | 5.50 |
| Retinned, per doz | 5.10 | 6.75 | 7.50 | 8.75 |



### Milk Strainers

Retinned.

| Nos | 22 | 23 |
|---|---|---|
| Inches | 10½ | 11½ |
| Per doz | $6.45 | 7.20 |

### Milk Skimmers

| Inches | 6 x 6 |
|---|---|
| Per doz | $0.96 |

### Wash Bowls

Flat Bottom.

| Inches | 10 1-2 | 11 1-2 | 13 1-2 |
|---|---|---|---|
| IC—Plain, per doz. | $2.50 | 2.85 | 3.75 |
| IC—Retinned, per doz. | 3.75 | 4.25 | 5.50 |
| IX—Plain, per doz. | 4.00 | 4.75 | 5.65 |
| IX—Retinned, per doz. | 5.10 | 5.70 | 7.35 |

## STAMPED TINWARE

### Dipper Bowls

| Nos | 1 | 2 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Inches | 4¾ x 2⅛ | 5⅜ x 2½ | 5¾ x 2⅝ | 6½ x 3 | 7½ x 3½ |
| Pints | ½ | 1 | 2 | 4 | 6 |
| Plain...Per dozen | $0.75 | 1.00 | 1.35 | 2.05 | 2.55 |
| Retinned...Per dozen | 1.05 | 1.45 | 1.80 | 2.75 | 3.60 |

### Dippers

| Nos | 1 | 2 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Inches | 4¾ x 2⅝ | 5⅜ x 2½ | 5¾ x 2⅝ | 6½ x 3 | 7½ x 3½ |
| Pints | ½ | 1 | 2 | 4 | 6 |
| Plain...Per doz. | $1.45 | 1.80 | 2.25 | 3.15 | 3.80 |
| Retin'd. Per doz. | 1.75 | 2.70 | 2.90 | 4.00 | 4.85 |

### Ladles

Flat Handle—Retinned.

| Nos. | 10 | 11 | 12 |
|---|---|---|---|
| Inches | 4 | 4½ | 5 |
| Per dozen | $2.60 | 3.15 | 3.55 |

### Drinking Cups

Retinned.

| Nos. | 08 | 09 | 010 |
|---|---|---|---|
| Inches | 3⅞ x 1¾ | 4⅛ x 2 | 4⅞ x 2¼ |
| Per dozen | $1.77 | 1.86 | 2.16 |

### California Cups

Retinned.

| Nos | 2 | 4 |
|---|---|---|
| Inches | 4⅛ x 2 | 4⅞ x 2¼ |
| Per dozen | $1.86 | 2.16 |

### Pie Plates

| Inches | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|
| Per gross | $8.70 | 10.50 | 12.30 | 14.55 | 19.20 | 23.85 |

### Dinner Plates

| Inches | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per gross | $10.50 | 12.30 | 14.55 | 19.20 |

## BRASS KETTLES

| Inches | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|
| Gallons | 2 | 2 1-2 | 3 | 4 | 4 1-2 | 5 | 6 |
| Approximate weight in pounds | 3 | 3 1-2 | 4 | 5 | 5 3-4 | 6 1-2 | 7 1-2 |

Per pound ..... $0.45

### Maslin Kettles

### Saucepans

#### Enamelled Maslin Kettles

| Quarts | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| Each | $0.60 | .70 | .80 | .90 | 1.00 | 1.20 | 1.40 |
| Quarts | 9 | 10 | 12 | 14 | 16 | 20 | 24 |
| Each | $1.50 | 1.60 | 1.80 | 2.05 | 2.30 | 2.60 | 3.00 |

#### Tinned Saucepans

| Quarts | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| Each | $0.63 | .73 | .84 | .96 | 1.11 | 1.21 |

#### Enamelled Saucepans

| Quarts | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| Each | $0.63 | .73 | .84 | .96 | 1.11 | 1.21 |

Style of Bell.

### Pestles and Mortars

| Wedgewood Shape ..... Nos. | 1 | .... | 3 |
|---|---|---|---|
| Each | $1.15 | .... | 1.50 |

#### Bell Shape

2 Quart ..... Each $2.10

## GLUE POTS

Enamelled Cup.

| Nos. | 3/0 | 2/0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|
| Each | $0.60 | .65 | .70 | .80 | .95 | 1.20 | 1.45 | 1.65 | 1.95 |

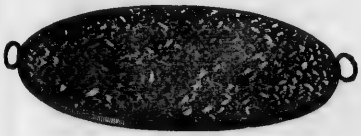
## Acme Fry Pans

| Nos. | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| Per dozen | $2.60 | 3.00 | 3.40 | 3.75 | 4.50 | 5.00 |

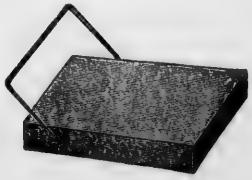
### Never Break Steel Spiders

| Nos. | 7 | .... | 8 | .... | 9 |
|---|---|---|---|---|---|
| Per dozen | $4.25 | .... | 5.00 | .... | 6.00 |

## Soapstone Griddles



## Soapstone Foot Warmers



### Soapstone Griddles

Round Soapstone Griddles, 12 inches ..... Per dozen $12.00
Oblong Soapstone Griddles, 11 x 22 inches ..... Per dozen 22.00
Oblong Soapstone Griddles, 12 x 24 inches ..... Per dozen 24.00

### Soapstone Foot Warmers

Soapstone Foot Warmers, 8 x 10 inches ..... Per dozen $3.75
Soapstone Foot Warmers, 10 x 12 inches ..... Per dozen 4.75

## NICKEL-PLATED TEA POTS

Made of full weight 14 ounce copper, handles strongly riveted on

| Nos. | 23 | 24 | 25 | 26 |
|---|---|---|---|---|
| Pints | 3 | 4 | 5 | 6 |
| Per dozen | $11.00 | 12.50 | 13.00 | 14 25 |

## Nickel-Plated Coffee Pots

Made of full weight 14 ounce copper, handles and spouts strongly riveted on.

| Nos. | 44 | 45 | 46 |
|---|---|---|---|
| Pints | 4 | 5 | 6 |
| Per dozen | $12.00 | 13.00 | 14.25 |

## Copper Tea Kettles

Pit Bottoms.

No. 9—9 inch pit ..... Per dozen $20.00

Nickel-plated

No. 18—8 inch pit ..... Per dozen 18.75
No. 19—9 inch pit ..... Per dozen 20.25

## MOTTLED ENAMELLED WARE

### Tea Pots

| Nos. | 10 | 20 | 30 | 40 | 50 |
|---|---|---|---|---|---|
| Quarts | 1½ | 2 | 3 | 4 | 5 |
| Per dozen | $10.80 | 12.00 | 13.80 | 15 60 | 18.00 |

One dozen in a case.

### Lipped Coffee Pots

| Nos. | 15 | 25 | 35 | 45 | 55 |
|---|---|---|---|---|---|
| Quarts | 1½ | 2 | 3 | 4 | 5 |
| Per dozen | $10.80 | 12.00 | 13.80 | 15.60 | 18.00 |

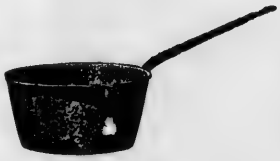
One dozen in a case.

### Tea Kettles

Pit Bottom

| Nos. | 700 | 800 | 900 |
|---|---|---|---|
| Quarts | 5 | 7 | 8 |
| Diameter of Pit, inches | 7 | 8 | 9 |
| Per dozen | $22.80 | 27.60 | 33.60 |

One dozen in a case.



### Lipped Saucepans

| Nos. | 12 | 14 | 16 | 18 | 20 |
|---|---|---|---|---|---|
| Quarts | 1 | 1½ | 2 | 2½ | 3 |
| Per dozen | $3.60 | 4.20 | 4.80 | 6.00 | 7.20 |
| Nos. | 22 | 24 | 26 | 28 | |
| Quarts | 4 | 5 | 6 | 7½ | |
| Per dozen | $8.40 | 9.60 | 10.80 | 12.60 | |

### Windsor Saucepans

Retinned Covers.

| Nos. | 114 | 116 | 118 | 120 | 122 | 124 | 126 | 128 |
|---|---|---|---|---|---|---|---|---|
| Quarts | 1½ | 2 | 2½ | 3½ | 4½ | 5½ | 6½ | 8 |
| Per dozen | $6.60 | 7.80 | 9.00 | 10.20 | 11.40 | 12.60 | 14.40 | 16.20 |

## MOTTLED ENAMELLED WARE

### Lipped Preserving Kettles

| Nos. | 18 | 20 | 22 | 24 | 26 |
|---|---|---|---|---|---|
| Quarts | 2½ | 3 | 4 | 5 | 6 |
| Per dozen | $6.00 | 7.20 | 8.40 | 9.60 | 10.80 |
| Nos. | 28 | 30 | 32 | 34 | 36 |
| Quarts | 7½ | 10 | 12 | 14 | 16 |
| Per dozen | $12.60 | 15.00 | 18.00 | 21.60 | 27.00 |

### Milk or Rice Boilers

Retinned Covers.

| Nos. | 16 | 18 | 20 | 24 |
|---|---|---|---|---|
| Quarts, inside boiler | 1½ | 1¾ | 2 | 3 |
| Per dozen | $3 | | | |

### Deep Pudding Pans

| Quarts | 1 | 1 1-2 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Diameter at top, inches | 7⅛ | 8 | 8¾ | 9½ | 10 |
| Per dozen | $3.60 | 4.20 | 4.80 | 5.40 | 6.00 |

### Oval Pudding Pans

| Nos | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Quarts | 1 | 2 | 3 | 4 |
| Per dozen | $5.40 | 6.60 | 7.80 | 9.6 |

### Pie Plates

| Inches | 9 | 10 | 11 |
|---|---|---|---|
| Per dozen | $2.40 | 3.00 | 3.60 |

### Soup Plates

| Inches | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per dozen | $2.04 | 2.40 | 2.78 | 3.10 |

### Deep Dish Pans

| Quarts | 10 | 14 | 17 | 21 |
|---|---|---|---|---|
| Diameter at top, inches | 15¼ | 16 | 18¼ | 19½ |
| Per dozen | $15.00 | 18.00 | 21.00 | 24.00 |

## MOTTLED ENAMELLED WARE

### Basting Spoons

Threaded Pattern.

| Inches | 10 | 12 | 14 | 16 |
|---|---|---|---|---|
| Per dozen | $1.68 | 1.92 | 2.16 | 2.40 |

### Flaring Dippers

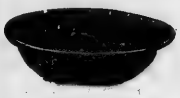
Flat Handles.

No. 110 ..... Per dozen $

### Extra Strong Dippers

Half Oval Handles.

No. 10 ..... Per dozen $



### Wash Basins

| Nos. | 28 | 30 | 32 | 34 |
|---|---|---|---|---|
| Inches | 11 1-8 | 12 | 12 5-8 | 14 |
| Per dozen | $5.40 | 6 60 | 7.80 | 9.00 |

### Flaring Water Pails

Seamless.

| Nos. | 110 | 112 | 114 |
|---|---|---|---|
| Quarts | 10 | 12 | 14 |
| Per dozen | $15.00 | 16.80 | 19.80 |

### Chamber Pails

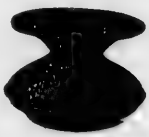
| Nos. | 2 | 3 |
|---|---|---|
| Quarts | 12 | 14 |
| Each | $2.25 | 2.60 |

## MOTTLED ENAMELLED WARE

### Straight Seamed Covered Buckets

With Retinned Covers.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Quarts | 1 | .... | 2 | .... | 3 | .... | 4 |
| Per dozen | $4.20 | .... | 5.40 | .... | 6.60 | .... | 8.40 |
| Quarts | 6 | .... | 8 | .... | 10 | .... | 12 |
| Per dozen | $10.80 | .... | 13.20 | .... | 15.60 | .... | 18.00 |



### Cuspidores

No. 10 ..... Per dozen $

No. 4 ..... Per dozen $

### Grocers' Scoops

No. 30 ..... Per dozen $

### Oval Grocers' Scoops

Galvanized Steel Blades. Maple Heads.

The blades of these Scoops are driven into hard maple heads (not nailed), and are non-corrosive in all their parts.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Nos | 3 | .... | 4 | .... | 5 | .... | 6 |
| Per dozen | $4.25 | .... | 5.00 | .... | 5.75 | .... | 6.50 |
| Length of bowl, inches | 8 | .... | 9 | .... | 10 | .... | 11 |
| Width of bowl, inches | 5 | .... | 5 3-4 | .... | 6 1-2 | .... | 7 1-4 |

## STEEL ENAMELLED WARE

WHITE.

### Tea Pots

**White, with Retinned Covers**

| Nos. | 13 | 14 | 16 |
|---|---|---|---|
| Quarts | 1 1-2 | 2 | 3 |
| Per dozen | $10.80 | 12.00 | 13.80 |

**Chocolate, with Retinned Covers**

No. 14—2 quarts ..... Per dozen $12.00

**White, with Decorations, Nickel-plated Covers**

No. 14—2 quarts ..... Per dozen $

### Coffee Pots

**White, with Retinned Covers**

| Nos. | 14 | 16 |
|---|---|---|
| Quarts | 2 | 3 |
| Per dozen | $ | |

**White, with Decorations, Nickel-plated Covers**

| Nos. | 14 | 16 |
|---|---|---|
| Quarts | 2 | 3 |
| Per dozen | $ | |

## STEEL ENAMELLED WARE

WHITE.

### Lipped Saucepans, without Covers

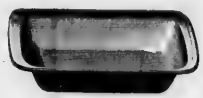
| Nos | 14 | 16 | 18 | 20 | 22 |
|---|---|---|---|---|---|
| Inches | 5 1-2 | 6 1-4 | 7 1-8 | 8 | 8 3-4 |
| Per dozen | $ | | | | |

### Rice or Milk Boilers and Covers

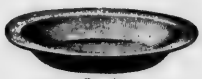
Retinned.

| Nos | | | | | |
|---|---|---|---|---|---|
| Inches | | | | | |
| Per dozen | $ | | | | |

## PUDDING PANS



Oblong.



Oval.

### Oblong Pudding Pans

| Nos | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|
| Length at top, inches | 10 | 11 | 12 | 13 | 14 |
| Per dozen | $4.32 | 5.66 | 6.10 | 7.44 | 8.88 |

### Oval Pudding Pans

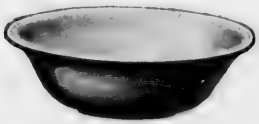
| Nos | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Quarts | 1 | 2 | 3 | 4 |
| Per dozen | $4.10 | 4.88 | 6.22 | 8.32 |

### Deep Round Pudding Pans

| Quarts | 1 | 1 1-2 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Inches | 7 1-2 | 8 | 8 3-4 | 9 1-2 | 10 |
| Per dozen | $3.60 | 4.20 | 4.80 | 5.40 | 6.00 |

## STEEL ENAMELLED WARE

WHITE.



### Water Pitchers

| Nos. | | | 13 | 17 |
|---|---|---|---|---|
| Quarts | | | 1 1-4 | 6 3-4 |
| Per dozen | | | $.... | .... |

### Wash Bowls

| Nos. | 28 | 30 | 32 | 34 |
|---|---|---|---|---|
| Inches at top | 11 1-8 | 12 | 12 3-8 | 14 |
| Per dozen | $4.66 | 5.10 | 6.00 | 7.78 |

### Seamless Pails

| Nos. | 110 | 112 | 114 |
|---|---|---|---|
| Quarts | 10 | 12 | 14 |
| Per dozen | $15.00 | 16.80 | 19.80 |

### Chambers

| Nos. | 22 | 24 |
|---|---|---|
| Inch | 8 5-8 | 9 1-2 |
| Each | $0.77 | .93 |

### Chamber Covers

| Nos. | 22 | 24 |
|---|---|---|
| Inch | 8 3-4 | 9 1-2 |
| Per dozen | $..... | .... |

## STEEL ENAMELLED WARE

WHITE.

### Oval Meat Dishes

| Nos. | 32 | 34 | 37 |
|---|---|---|---|
| Inches | 12 1-2 | 13 1-2 | 14 1-2 |
| Per dozen | $ | | |

### Plates

| Pie. | | | |
|---|---|---|---|
| Inches | 9 | 10 | 11 |
| Per dozen | $2.40 | 3.00 | 3.60 |

| Dinner. | | | | |
|---|---|---|---|---|
| Inches | 7 | 8 | 9 | 10 |
| Per dozen | $1.92 | 2.16 | 2.40 | 3.00 |

| Soup. | | | | |
|---|---|---|---|---|
| Inches | 7 | 8 | 9 | 10 |
| Per dozen | $2.04 | 2.40 | 2.78 | 3.10 |

### Cups and Saucers

No. 394.

No. 690.

### Tea Cups

| Nos. | 9 | 10 |
|---|---|---|
| Per dozen | $2.22 | 2.56 |

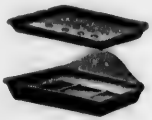
| Nos | 8 | 9 |
|---|---|---|
| Per dozen | $ | |

### Saucers

| Nos. | 12 | 13 | 14 |
|---|---|---|---|
| Per dozen | $1.32 | 1.44 | 1.66 |

## STEEL ENAMELLED WARE

WHITE.



No. 816.

No. 702.

No. 708.

### Hanging Soap Dishes

No. **816 x 13**—Hanging Soap Dish, 5 1-8 inches ..... Per dozen $

### Tumblers

No. **702 x 8**—Tumblers, 3 1-8 inches ..... Per dozen $

### Children's Mugs

| Nos | 7 | 8 | 9 | 10 |
|---|---|---|---|---|
| Per dozen | $2.32 | 2.56 | 2.86 | 3.32 |

No. 772.

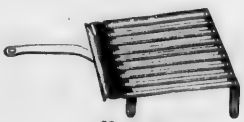
No. 775.

### Spittoons

No. **772**—Spittoons ..... Per dozen $

### Cuspidores

No. **775**—Cuspidores, 8 inches ..... Per dozen $

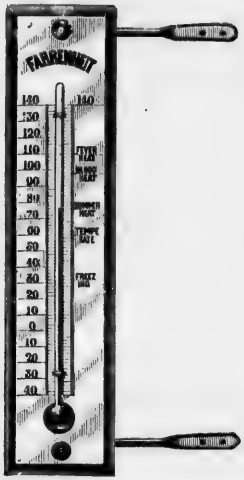


No. 600.

### Gridirons

No. **600**—Gridiron, 8 bars ..... Per dozen $

## THERMOMETERS

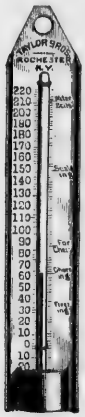



No. 114/8 3-4.

No. 1447.

8 Inch common Zinc Bath Thermometer.

No.




No.

No.

### Japanned Tin Case

7 inches, Japanned Tin Case, mercury or spirit tube ..... Per dozen $2.25
8 inches, Japanned Tin Case, mercury or spirit tube ..... Per dozen 2.50
10 inches, Japanned Tin Case, mercury or spirit tube ..... Per dozen 2.85

### Zinc Case

No. **1447**—8 inches, Zinc Flanged (inside), black spirit tube ..... Per dozen $4.50
No. **1447**—10 inches, Zinc Flanged (inside), black spirit tube ..... Per dozen 5.75
No. **1457**—10 inches, Zinc Flanged (outside), black spirit tube ..... Per dozen 6.75

### Plate Glass Window

No. **114/8 3-4**—Heavy Plate Glass ..... Per dozen $15.00

### Bright Tin Case Dairy

No. —7 inches, Bright Tin Case, ruby tube ..... Per dozen $2.25
No. —8 inches, Bright Tin Case, ruby tube ..... Per dozen 2.70
No. —10 inches, Bright Tin Case, ruby tube ..... Per dozen 3.00

### Flange Dairy

No. —7 inches, Bright Tin Case ..... Per dozen $2.70
No. —8 inches, Bright Tin Case ..... Per dozen 3.00

### Glass Dairy

All Glass Floating Dairy ..... Per dozen $1.65

## Self-Registering Thermometers

10 inch Zinc Minimum Thermometer.
No. 1461.

No. **1459**—8 inches, Zinc Case, ruby tube ..... Per dozen $ 4.50
No. **1461**—10 inches, Zinc Case, ruby tube ..... Per dozen 9.75
No. **1462**—10 inches, Zinc Case, ruby tube ..... Per dozen 14.50

## THERMOMETERS

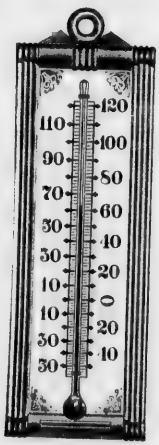
STANDARD METALLIC.

Every instrument carefully tested, adjusted and warranted.

No. **66**—4 inch diameter dial, polished nickel case ..... Each $5.25
No. **75**—6 inch diameter dial, brass case ..... Each 4.50
No. **85** - 9 inch diameter dial, brass case ..... Each 4.50
No. **87**—9 inch diameter dial, black metallic case ..... Each 4.50

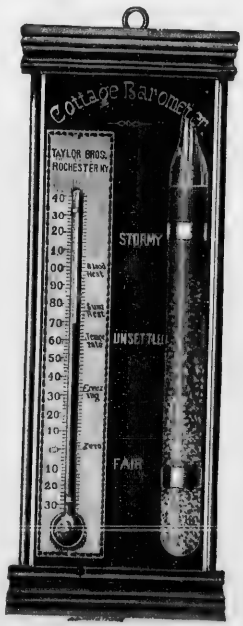
One in a box.

### Distance Thermometer



No. **11**—Distance Thermometer ..... Per dozen $3.00

### Cottage Barometer




### Cottage Barometers

Combined Thermometer and Storm Glass ..... Per dozen 4.50

### Hydrometers

Glass Milk Hydrometers, per cent. scale 0-120 ..... Per dozen 6.75

## POCKET COMPASSES

No. 915.

No. 898.

| | | | |
|---|---|---|---|
| No. **7607/4** | —1 1-2 inch brass case, with slide cover, no ring | Per dozen | $ 2.75 |
| No **7678/35** | —1 1-2 inch brass case, no cover, with ring, bevel edge glass | Per dozen | 2.85 |
| No. **7678/40** | —1 3-4 inch brass case, no cover, with ring, bevel edge glass | Per dozen | 3.50 |
| No. **3136** | —1 3-4 inch nickel watch case, open face, metal dial | Per dozen | 6.00 |
| No. **915** | —2 inch nickel case, with stop, hinge cover, metal dial | Per dozen | 12.00 |
| No. **898** | —2 inch chased nickel case, with stop, hinge cover, metal dial | Per dozen | 18.00 |

Half dozen in a box.

## Dram Flasks

No. **13150**—Leather covered, metal cup ..... Per dozen $16.00

### White Metal

| | | | |
|---|---|---|---|
| No. **13106 X 1** | —Vest pocket | Per dozen | $ 6.50 |
| No. **13102** | —1 pint | Per dozen | 22.00 |
| No. **13102** | —1 1-2 pints | Per dozen | 30.00 |

## Violin Strings

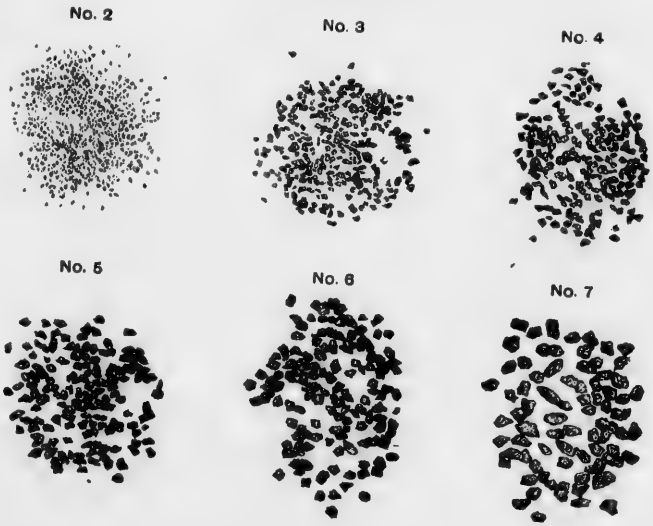
### Steel and Gut

1st, 2nd, 3rd and 4th.

## GUNPOWDER

NOTE.—Powder can under no circumstance be shipped with or as any other goods. All railroads have special days for receiving and forwarding shipments of powder, consequently it may not reach destination at same time as other goods. On most railroads the freight charge on four kegs (or one hundred pounds) will not be more than for one keg.

Cuts showing size of grain.



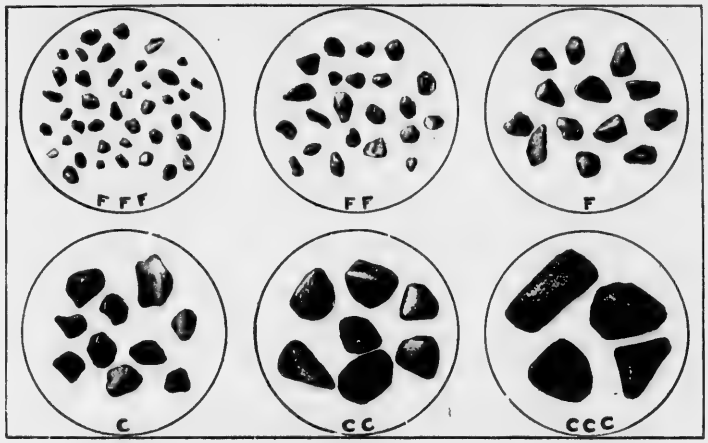

| | |
|---|---|
| **FF** Kegs, | |
| Cases, 2 doz. 1 lb. tins, | $5 00 |
| " 4 " ½ " | 9 00 |
| **FFF** Kegs, | 9 75 |
| Cases, 2 doz. 1 lb. tins, | 5 25 |
| " 4 " ½ " | 9 50 |
| **North West Rifle**, No. 4, Kegs, | 10 25 |
| **Trap Shooting**, Nos. 3 to 6, Kegs, | 5 25 |
| Cases of 5 cans, 5 lbs. each, | 6 00 |
| **Canadian Rifle**, Nos. 1 to 7 Kegs, | 7 50 |
| **Ducking**, Nos. 2 to 7, Metal Kegs, 6¼ lbs. | 7 50 |
| **Caribou**, Nos. 1 to 7, cases 2 doz., 1 lb. cans, | 3 15 |
| | 17 00 |

**Blasting Powder,**
**Safety Fuse,**
**Batteries,**
**Electric Fuse,**
**Detonators,**
**Dynamite,**
} Prices on Application.

HAMILTON POWDER CO.

## AMERICAN BLASTING POWDER

Cuts showing size of grain.



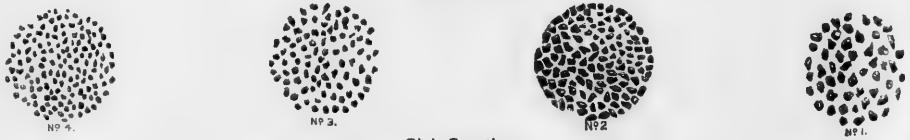

In 25 lb. iron kegs. No extra charge for packages.

## American Sporting Powder

Cuts showing size of grain.

**Rifle**

**Crack Shot**




**Club Sporting**

**Champion Ducking**

In 25, 12 1-2 and 6 1-4 lb. iron kegs. No extra charge for packages.
Prices on application.

## GUNPOWDER

### "Snap Shot" Sporting Powder

Quick, Clean, Strong and Reliable.

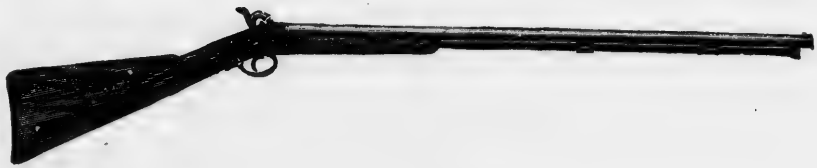
Put up in 25 lb. Fiberoid Kegs. Each keg bears label shown in cut.

### American "Champion Club Smokeless" Powder

In 1 lb. tins, kegs, quarter and half kegs.

Prices on application.

## MUZZLE LOADING SINGLE GUNS



### Imitation Twist Barrels

No. **10**—Forward Action Locks, Blued Mountings, Varnished Stock, Boys' Size ..... $2.80

No. **12**—Back Action Locks, Blued Mountings, Varnished Stock, Men's Size ..... 3.25

No. **14**—Back Action Locks, Blued Mountings, Varnished Stock, Men's Size, Ribbed ..... 3.50

No. **16**—Back Action Locks, Case-hardened Mountings, Oiled Walnut Stock, Checkered Grip, Imitation Laminated Barrels, Ribbed ..... 6.75

## MUZZLE LOADING DOUBLE GUNS

### No. 110 Bar Locks

No. **110**—London Fine Twist Barrels, Bar Locks, Oiled Walnut Stock, Checkered Grip and Fore-end ... $12.50

DUCK

No 1.

ECG

No 0

## BREECH LOADING SINGLE GUNS

### Shattuck New Model Top Snap

No. 60—Twist Barrels, Oiled Walnut Stock, Full Capped Pistol Grip and Rubber Butt Plate, Rebounding Lock, Double Bolt, Nickel Frame, Choke Bored, 30 Inch Barrels, 12 Gauge..... $13 00

## BREECH LOADING DOUBLE GUNS

### Lefaucheux Action

No. 310—Blued Steel Barrels, Back Action Locks, Oiled Walnut Stock, Checkered Grip, Improved Double Key Fore-end, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs. ..... $9 50

### Lefaucheux Action

No. 315—Laminated Steel Barrels, Back Action, Rebounding Locks, Oiled Walnut Stock, Checkered Pistol Grip, Improved Double Key Fore-end, Circular Hammers, Rubber Butt Plate, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs..... $12 50

## BREECH LOADING DOUBLE GUNS

### Top Snap, Back Action Locks, Circular Hammers

No. **420**—Imitation Twist Barrels, Oiled Walnut Stock, Checkered Grip and Patent Fore-end, Block Strikers, Checkered Iron Butt Plate, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs ..... $11.00

No. **425**—Same as 420, but Extended Rib and Checkered Pistol Grip..... 12.50

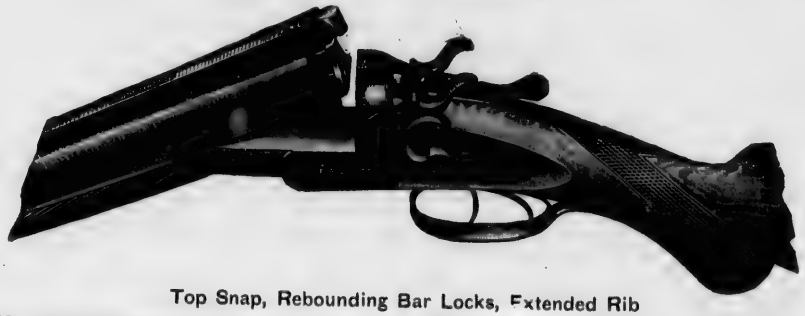
### Top Snap, Rebounding Back Action Locks, Extended Rib

No. **335**—Laminated Barrels, Matted Rib, Oiled Walnut Stock, Checkered Pistol Grip and Patent Fore-end, Block Strikers, Circular Hammers, Rubber Butt Plate, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs. $13.50

### Top Snap, Rebounding Bar Locks, Extended Rib

No. **330**—Imitation Damascus Barrels, Matted Rib, Oiled Walnut Stock, Checkered Pistol Grip and Patent Fore-end, Roll Shoulder Frame, Block Strikers, Circular Hammers, Checkered Butt Plate, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs..... $16.00

## BREECH LOADING DOUBLE GUNS



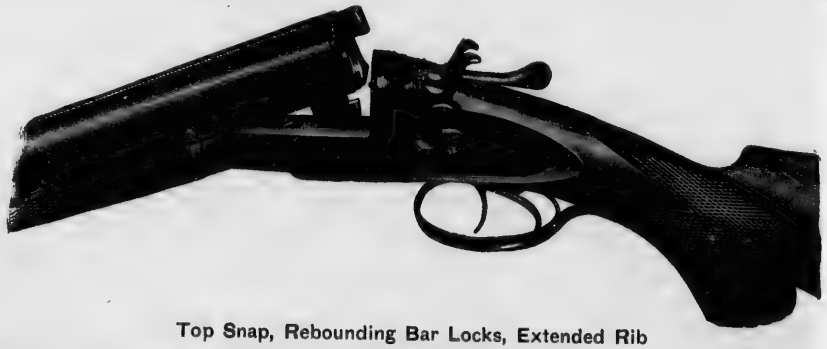
### Top Snap, Rebounding Bar Locks, Extended Rib

No. **340** —English Laminated Steel Barrels, Matted Rib, Double Bolt, Oiled Walnut Stock, Checkered Full (Capped) Pistol Grip and Patent Fore-end, Block Strikers, Circular Hammers, Rubber Butt Plate, Left Barrel Full Choked, Right Modified, 10 Gauge, 30 Inch Barrels, Weight 8 3-4 to 9 1-2 lbs..... $21.50
12 Gauge, 30 Inch Barrels, Weight 7 1-2 to 8 1-2 lbs..... 21.50
14 Gauge, 28 Inch Barrels, Weight 6 1-2 to 7 lbs..... 21.50

Nor **340X**—Same as 340, but not Rubber Capped Pistol Grip, 12 Gauge only..... 21.50

### Machine Made, Top Snap, Rebounding Bar Locks, Extended Rib

No. **355**—Laminated Barrels, Matted Rib, Oiled Walnut Stock, Checkered Full (Capped) Pistol Grip and Patent Fore-end, Block Strikers, Circular Hammers, Rubber Butt Plate, Left Barrel Choke Bored, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 lbs..... $24.00

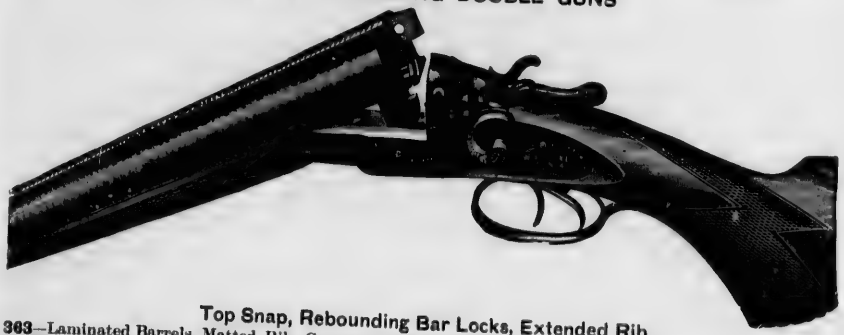


### Top Snap, Rebounding Bar Locks, Extended Rib

No. **350**—English Damascus Steel Barrels, Matted Rib, Double Bolt, Oiled Walnut Stock, Checkered Full (Capped) Pistol Grip and Deeley & Edge Patent Fore-end, Block Strikers, Circular Hammers, Rubber Butt Plate, Left Barrel Choke Bored, Right Modified, 10 Gauge, 30 Inch Barrels, Weight 8 3-4 to 9 1-2 lbs $26.00
12 Gauge, 30 Inch Barrels, Weight 7 1-2 to 8 1-2 lbs. 26.00

No. **350X**—Same as 350, but not Rubber Capped Pistol Grip, 12 Gauge only..... 26.00

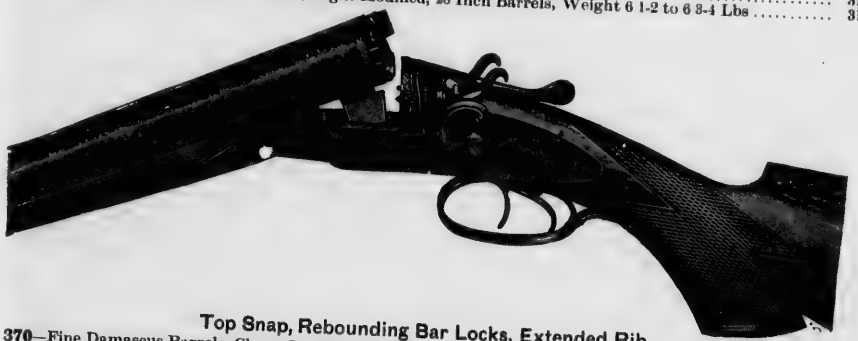
## BREECH LOADING DOUBLE GUNS



### Top Snap, Rebounding Bar Locks, Extended Rib

No. **363**—Laminated Barrels, Matted Rib, Greener Cross Bolt, Oiled Walnut Stock, Checkered Full (Capped) Pistol Grip, Deeley & Edge Patent Fore-end, Roll Shoulder Frame, Block Strikers, Circular Hammers, Rubber Butt Plate, Left Barrel Choke Bored, 30 Inch Barrels, 12 Gauge, Weight 7 to 8 Lbs..... $28.00

No. **365**—Fine Damascus Barrels, otherwise as 363.
10 Gauge, Left Barrel Full Choked, Right Modified, Weight 8 3-4 to 9 1-2 Lbs ..... 31.50
12 Gauge, Left Barrel Full Choked, Right Modified, Weight 7 1-2 to 8 1-2 Lbs ..... 31.50
16 Gauge, Left Barrel Full Choked, Right Modified, 28 Inch Barrels, Weight 6 1-2 to 6 3-4 Lbs ..... 31.50



### Top Snap, Rebounding Bar Locks, Extended Rib

No. **370**—Fine Damascus Barrels, Clover Leaf, Matted Extended Rib, Double Bolt, Oiled Walnut Stock, Checkered Full (Capped) Pistol Grip, Deeley & Edge Patent Fore-end, Roll Shoulder Frame, Block Strikers, Circular Hammers, Rubber Butt Plate, Finely Engraved Mountings, extra quality, Left Barrel Choke Bored, 30 Inch Barrels, 12 Gauge, Weight 7 1-2 to 8 1-2 Lbs. ..... $36.00

No. **375**—Same as 370, but with Matted Taper, Extended Rib and Greener Cross Bolt, 10 and 12 Gauge ..... 41.00

### English Hammerless, Top Snap, Extended Rib, Automatic, Safety Action

No. **390**—Damascus Barrels, Matted Rib, Double Bolt, Oiled Walnut Stock, Checkered Pistol Grip, Deeley & Edge Patent Fore-end, Rubber Butt Plate, Left Barrel Full Choked, Right Modified, 30 Inch Barrels.
10 Gauge, Weight 9 to 9 1-2 Lbs..... $55.00
12 Gauge, Weight 8 to 8 1-2 Lbs..... 52.50

## WINCHESTER REPEATING SHOT GUN, MODEL 1893

### 12 Gauge only

Model **1893.** Rolled Steel Barrels, Walnut Stock, Pistol Grip, Length of Stock 13 Inches, Drop 2 3-4 inches, Full Choked 30 Inch Barrels; it is operated by a Sliding Fore-arm below the Barrel, and will fire six cartridges without reloading ..... $25.00

## FLOBERT RIFLES

### Warnant Action

No. **600**—Polished Blued Barrels, Rifled, Case-hardened Mountings, Oiled Walnut Stock, Checkered Pistol Grip, 22 Inch Barrels, 22 Cal. Rim Fire Cartridges ..... $3.25
No. **610**—Pieper's make, as above ..... 4.00

### Improved Warnant, Automatic Ejector

No. **620**—Pieper's Polished Blued Barrels, Rifled, Case-hardened Mountings, Oiled Walnut Stock, Checkered Pistol Grip and Fore-end, Rubber Butt Plate, Heavy 24 Inch Barrels, 22 Cal. Rim Fire Cartridges ..... $4.50
No. **630**—Light Barrels, Engraved Nickeled Mountings, 22 Cal. Rim Fire Cartridges ..... 5.00
No. **650**—As 620, but for 32 Cal. Rim Fire Cartridges ..... 5.50
No. **660**—Polished Blued Barrels, Engraved Nickeled Mountings, Oiled Walnut Stock, Checkered Pistol Grip and Fore-end, Rubber Butt Plate, Heavy 24 Inch Barrels, for 32 Cal. Rim Fire Cartridges ..... 6.00

## WINCHESTER SINGLE SHOT RIFLES

### Plain Sporting Rifle

Octagon Barrel, Plain Walnut Stock, Case-hardened Frame, 38 W. C. F. Cartridges ..... $15.00

## WINCHESTER REPEATING RIFLES

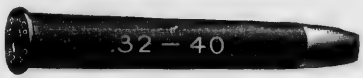
### Sporting Rifle, Models 1886 and 1892 Octagon Barrel

*Never* use in the Model 1886 a cartridge primed with a Berdan primer or with a copper primer.

**1892** Sporting Rifle. Length of Barrel 24 inches, Number of Shots 15. 32, 38 or 44 Caliber, W. C. F. Cartridges.
Round Barrel, Weight 6 3-4 lbs ..... $18.00
Octagon Barrel, Weight 6 3-4 lbs ..... 19.50

**1886** Sporting Rifle. Length of Barrels 26 inches, Number of Shots, 9 of 45-70-405- 40-65 or 38-56 Cartridges, or 8 of other six Cartridges. Calibers, .50-110-300, .45-90-300, .40-82-260, .40-70-330, .45-70-500, .45-70-405, .40-65-260, .38-70-255, .38-56-255.
Round Barrel, Weight 9 lbs ..... 19.50
Octagon Barrel, Weight 9 1-4 lbs ..... 21.00

### Sporting Rifle, Model 1894, Octagon Barrel



**1894** Sporting Rifle. Length of Barrel 26 inches, Number of Shots 10. Calibers, .32-40, .38-55.
Round Barrel, Weight 7 1-4 lbs ..... $18.00
Octagon Barrel, Weight 7 1-2 lbs ..... 19.50

## MARLIN REPEATING RIFLES

### Model 1891

Any of the following cartridges can be used in this rifle.

| | Round. | | Octagon |
|---|---|---|---|
| Length of Barrel | 24 inches. | ... | 24 inches |
| No. of shots, Short Cartridges | 19 | .... | 19 |
| No. of shots, Long or 22 Shot Cartridges | 16 | .... | 16 |
| No. of shots, Rifle Cartridges | 14 | .... | 14 |
| Weight, lbs. | 6 1-4 | .... | 6 |
| Each | $18.00 | .... | $19.50 |

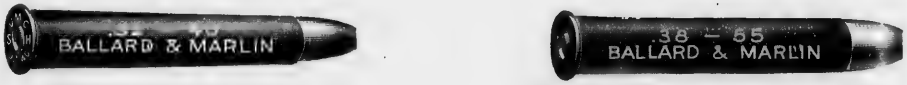
This Model is also made to use Rim Fire Cartridges 32 Short and Long, and Central Fire 32 Short and Long Colt's, all of which cartridges can be used in same rifle. The rifle as sent from factory is adapted to use Rim Fire ammunition, but is furnished with a Centre Fire firing pin. The firing pins can be interchanged by anyone without tools.

### Model 1889, 1894

Cartridges made for Colt's Lightning, or Winchester Models 1873 or 1892, can be used.

| | Round. | | Octagon. |
|---|---|---|---|
| Length of Barrel | 24 inches. | .... | 24 inches. |
| Number of shots | 14 | .... | 14 |
| Weight, lbs. | 7 1-4 | .... | 6 7-8 |
| Each | $18.00 | .... | $19.50 |

### Model 1893




| | Round. | | Octagon. |
|---|---|---|---|
| Length of Barrel | 26 inches. | .... | 26 inches. |
| Number of shots | 10 | .... | 10 |
| Weight, lbs. | 8 1-4 | .... | 7 3-4 |
| Each | $19.50 | .... | $21.00 |

## LYMAN'S PATENT SIGHTS

☞ When ordering always give caliber and make of rifle.

### Combination Rear Sight

These sights more than double the value of a rifle, either for hunting or target shooting; for instantaneous also can be taken with great accuracy.

The large aperture should be used for nearly all shooting.

This cut shows the POINT BLANK stop-pin in the sight stem, to prevent the sight from being turned down too low.

Any one can attach these sights to a rifle in a few minutes.

☞ When ordering give make and size of rifle.

No. **1**. ..... $3.00

No. 1.

No. 2.
Combination Rear Sight, with Cup Disc.

This sight has a large detachable disc and is intended for Match Rifles and Gallery Rifles. It is not as good for "all round" shooting as the $3.00 combination sight. Many target shooters like it, as it is much better than the Vernier peep sight.

The disc is easily removed, and for most work is not needed.

For gallery practice the aperture in the disc can be enlarged to advantage.

When ordering, give make and size of rifle.

No. **2**..... $3.50

No. 1.
Combination Rear Sight, showing the small aperture in use.

### Ivory Bead Front Sight

No. 3.

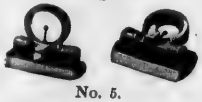
### Ivory Hunting Front Sight

No. 4.

These sights can be seen distinctly against any object in the woods or in the bright sunlight.

No. **3**..... $1.00 | No. **4**..... $0.50

### Ivory Combination Front Sight



No. 5.

This is an excellent sight for "all round" use.

The cuts show the open ivory and the shaded globe.

No. **5**..... $1.00

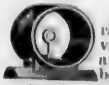
### Sporting Wind-Gauge Sight

No. 8.

A good sight for general shooting. It is the combination front sight on the wind-gauge base.

No. **8**..... $3.00

### Target Sight



No. 17.

For target shooting at the range and gallery this sight is very good. It has a reversible aperture and globe which can be quickly changed.

No. 17.

N **17**... ..... $1.50

### Jack Sight

No. 20.

A good sight for quick shooting, also in poor light or with the jack at night. It will surprise many to find that this large sight is very accurate.

No. **20** ..... $1.00

### Ivory Shot Gun Sights

A NEW SYSTEM OF SIGHTING SHOT GUNS

No. 9.

No. **9**—Per set..... $1.00

The left-hand cut shows the large muzzle or front sight. The right-hand cut the small rear sight which is placed about sixteen inches from the muzzle sight.

The first engraving gives the appearance of the sights when aiming at a straight-way bird. The elevation of the gun is right, but the rear sight shows that the gun is out of line, which would not be discovered if these sights were not used. This system is a great help both in the field and at the trap.

### Leaf Sight

Both leaves folded down

Using the straight bar.

Using the crotch.

No. **6**..... $1.00

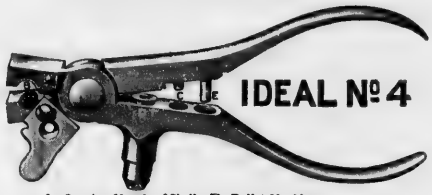
One leaf is a bar with a triangular ivory centre, the other is a wide open V crotch.

Many sportsmen who use the Lyman rear sights do so with the ordinary crotch sight on the barrel. This is much in the way and the shooting is done at a great disadvantage. Lyman's leaf sight can be put in place of it. It folds down close to the barrel, allowing the shooter to use the combination sight in an unobstructed manner, and the result is that the shooting is twice as good as when the ordinary crotch sight is on the barrel.

The right-hand screw, as indicated by arrow, adjusts the leaves to fold as tightly as desired.

NOTICE.—The front sight, spirit level and leaf sight, should be driven into the barrel slot from the right-hand side.

## IDEAL RELOADING IMPLEMENTS




A—Opening Mouth of Shell. B—Bullet Mould.
C—Re-Capping. D—Loading Chamber. E—Bullet Sizer.

**Ideal Tool No. 4**..... Per set $2.50

No. 4 Tool will be made for the following and other short Cartridges:

| | | |
|---|---|---|
| 32 Colt's Lightning. | 38 Colt's Lightning. | 44-40 Marlin. |
| 32 W. C. F. | 38-40 Marlin. | 44 S. & W. American. |
| 32-20 Marlin. | 44 Colt's Lightning. | |
| 38 W. C. F. | 44 W. C. F. | |

**Ideal Tool No. 6**..... Per set $3.00

This Implement, like No. 4, is complete, performing all the operations required. It also has the Bullet Sizer, and is adapted to load the larger Cartridges, Military and Sporting. No. 6 Tool is for Grooved Bullets only, No. 3 Special Tool for Patched Bullets. No. 6 adapted to the following and other Sporting and Military Cartridges:

| | | |
|---|---|---|
| 32-40 Marlin, Ballard and Winchester. | 40-60 Colt's and Marlin. | 45-70-405 U.S. Gov't. |
| 38-55. | 40-65 W. C. F. | 45-70-500 U.S. Gov't. |
| 38-56 Winchester and Colt's. | 40-82 W. C. F. | 45-70 Marlin. |
| 40-60 W. C. F. | 45-60 W. C. F. | 45-90 W. C. F. |

## Winchester Reloading Implements

**Pistol Sizes and 32, 38 and 44 Models 1873 and 1892.**

**Winchester Reloading Implements**..... Per set $2.50

The reloading tool, as constructed, removes the exploded primer, straightens the shell at the mouth, inserts the new primer, and fastens the ball in the shell. A set of implements comprises the reloading tool, a bullet-mold, and charge cup.

**Model 1894 Reloading Tool**..... Per set $3.00

This tool has been devised to make more easy the reloading and resizing of large sporting ammunition. This model will only be made for the following sizes of Cartridges:

| | | |
|---|---|---|
| 32-40. | 40-65 W. C. F. | 45-70-500 U. S. Gov't. |
| 38-55. | 40-70 W. C. F. | 45-90 W. C. F. |
| 38-56. W. C. F. | 40-82 W. C. F. | 50-110 Exp. W. C. F. |
| 38-70. W. C. F. | 45-70-405 U. S. Gov't. | |

**Model 1894 Reloading Tool, for Express Cartridges**..... Per set $3.50

## RIM FIRE CARTRIDGES

Round Ball.

Conical Ball.

Round Ball.....Per 1000 $4.00
Conical Ball.....Per 1000 4.50
For Flobert and other Gallery Rifles.
10,000 in Case.

Per 1000, $5.00.
10,000 in Case.

Powder 3 grains.
Lead 30 grains.

For 22 Caliber Revolvers and Rifles.

Per 1000, $6.00.
10,000 in Case.

Powder 5 grains.
Lead 30 grains.

For 22 Caliber Long, Revolvers and Rifles.

Per 1000, $6.00.
10,000 in Case.

Powder 5 grains.
Lead 40 grains.

For Winchester, Single Shot and various Rifles of this Caliber.

Per 1000, $9.00.
5000 in Case.

Powder 7 grains
Lead 45 grains.

Adapted to Winchester Repeating Rifle, Model 1890, and Winchester Single Shot Rifle.

Per 1000, $14.
2000 in Case.

Powder 11 grs.
Lead 65 grains.

Adapted to Winchester and Stevens' Single Shot Rifles.

Per 1000, $9 00.
5000 in Case.

Powder 6 grains.
Lead 55 grains.

For Sharp's No. 2 Standard O.K., Stevens' Single Shot and other Pistols and Rifles of this Caliber.

Per 1000, $10.50.
5000 in Case.

Powder 9 grains.
Lead 55 grains.

Adapted to Colt's and other Pistols and Rifles.

Per 1000, $10.00
5000 in Case.

Powder 9 grains.
Lead 62 grains.

For Winchester Single Shot Rifles, Revolvers and Single Shot Pistols of this Caliber.

Per 1000, $11.50
5000 in Case.

Powder 13 grains
Lead 90 grains.

For Winchester Single Shot Rifle and various Rifles and Pistols of this Caliber.

Per 1000, $16.00
3000 in Case.

Powder 18 grains
Lead 130 grains.

For all Revolvers of this Caliber, and Ballard, Wesson, Remington and other Rifles.

Per 1000, $18.00
3000 in Case.

Powder 21 grs.
Lead 148 grains.

For Ballard, Wesson, Remington, Stevens' and other Rifles and Revolvers.

Per 1000, $23.00
2000 in Case.

Powder 21 grains
Lead 200 grains.

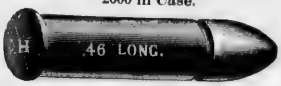
For Bull Dog, Remington and other Pistols.

Per 1000. $24.00
2000 in Case.

Powder 28 grs.
Lead 200 grains.

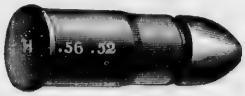
For Henry and Winchester, Model 1866, Rifles.

Per 1000.....$25.00
Powder 28 grains, Lead 220 grains.
For Wesson, Ballard, Remington and other Rifles.
2000 in Case.




Per 1000.....$33.00
Powder 40 grains, Lead 300 grains.
Adapted to Remington and Ballard Rifles.
2000 in Case.

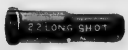
Per 1000 ..... $40.00
Powder 45 grains, Lead 350 grains.
For Spencer, Remington, Sharp, and other Rifles and Carbines.
1000 in Case.




Per 1000.....$40.00
Powder 45 grains, Lead 386 grains.
For Spencer, Military and other Rifles.
1000 in Case.

Per 1000.....$40.00
Powder 45 grains, Lead 350 grains.
For Spencer, Ballard and Joslyn Carbines.
1000 in Case.

### Shot Cartridges



22 Long Shot.....Per 1000 $11.00
32 Long Shot.....Per 1000 22.00
22 Long Shot—Size of Shot No. 12. 10,000 in Case.
32 Long Shot—Size of Shot No. 10. 5000 in Case.

## CENTRAL FIRE CARTRIDGES

Per 1000 .....$18.00
Powder 19 grains, Bullet 86 grains.
Adapted to Winchester, Maynard, and Stevens' Single Shot Rifles.
2000 in Case.

Per 1000 .....$11.00
Powder 9 grains, Bullet 85 grains.
For Smith & Wesson Revolvers No. 1 1-2, and other Revolvers of this Caliber.
5000 in Case.

Per 1000 .....$11.00
Powder 9 grains, Bullet 82 grains.
For Marlin Rifle, Model '91, Colt and other Revolvers.
5000 in Case.

Per 1000 .....$12.00
Powder 13 grains, Bullet 90 grains.
For Marlin Rifle, Model '91, Webley and other Revolvers.
5000 in Case.

Per 1000 .....$16.00
Powder 20 grains, Bullet 115 grains.
For Winchester Repeating Rifles, 32 Caliber, Models 1873 and 1892, Winchester Single Shot Rifle, and Marlin.
2000 in Case.

Per 1000 .....$13.50
Powder 14 grains, Bullet 150 grains.
For Smith & Wesson Bull Dog and other Revolvers.
2000 in Case.

Per 1000 .....$14.50
Powder 19 grains, Bullet 150 grains.
4000 in Case.
Adapted to Colt's Revolvers and Rifles of this Caliber.

Per 1000 .....$10.00
Powder 38 grains, Bullet 180 grains.
For Winchester Repeating Rifles, 38 Caliber, Models 1873 and 1892, Winchester Single Shot Rifle, and Marlin.
2000 in Case.

Per 1000 .....$14.50
Powder 15 grains, Bullet 168 grains.
For Webley, Bull Dog and other Revolvers.
2000 in Case.

Per 1000 .....$19.00
Powder 25 grains, Bullet 205 grains.
For Smith & Wesson American Model Revolvers.
2000 in Case.

Per 1000 .....$19.00
Powder 40 grains, Bullet 200 grains.
For Winchester Repeating Rifles, 44 Caliber, Models 1873 and 1892, Winchester Single Shot, and Marlin, Smith & Wesson's Double Action and Colt's Frontier Revolvers.
2000 in Case.

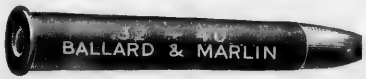
Per 1000 .....$30.00
Powder 48 grains, Bullet 250 grains.
For Frank Wesson and other Rifles.
2000 in Case.

### Shot Cartridges

Per 1000 .....$14.50
Size of Shot, No. 10.
2000 in Case.

Per 1000 .....$20.00
Size of Shot, No. 8.
2000 in Case.

## CENTRAL FIRE CARTRIDGES




Per 1000..... $27.00

Powder 40 grains, Bullet 165 grains.
For Winchester Single Shot, and Repeating Rifle Model 1894, and Marlin and Ballard Rifles.
1000 in Case.

Per 1000..... $33.00

Powder 48 grains, Bullet 255 grains.
For Winchester Single Shot, and Repeating Rifle Model 1894, and Marlin and Ballard Rifles.
1000 in Case.

Per 1000..... $33.00

Powder 56 grains, Bullet 255 grains.
For Winchester Single Shot, and Repeating Rifle Model 1886.
1000 in Case.

Per 1000..... $33.00

Powder 60 grains, Bullet 260 grains.
For Marlin Repeating Rifle.
1000 in Case.

Per 1000..... $32.00

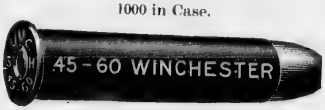
Powder 62 grains, Bullet 210 grains.
For Winchester Repeating Rifle, Model 1876, 40-60 and Winchester Single Shot Rifle.
1000 in Case.

Per 1000..... $33.00

Powder 65 grains, Bullet 260 grains.
For Winchester Single Shot Rifle, and Repeating Rifle 40-65, Model 1886.
1000 in Case.

Per 1000..... $36.00

Powder 82 grains, Bullet 260 grains.
For Winchester Single Shot Rifle, and Repeating Rifle 40-82, Model 1886.
1000 in Case.




Per 1000..... $33.00

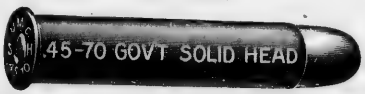
Powder 62 grains, Bullet 300 grains.
For Winchester Single Shot Rifle, and Repeating Rifle 45-60, Model 1876.
1000 in Case.

Per 1000..... $35.00

Powder 75 grains, Bullet 350 grains.
For Winchester Single Shot Rifle, and Repeating Rifle 45-75, Model 1876.
1000 in Case.

Per 1000..... $35.00

Powder 70 grains, Bullet 405 grains.
For Winchester Repeating Rifles Model 1886, and Marlin Repeating Rifles.
1000 in Case.




Per 1000..... $35.00

Powder 70 grains, Bullet 405 grains.
For New Model Springfield, Hotchkiss Repeating Rifle Model 1883 and Winchester Single Shot and Repeating Rifle Model 1886.
1000 in Case.

Per 1000..... $36.00

Powder 90 grains, Bullet 300 grains.
For Winchester Single Shot Rifle and Repeating Rifle Model 1886.
1000 in Case.

## PRIMERS

No. **1** —Berdan, for Sporting and Military Cartridges ..... Per 1000 $1.80

No. **0** —U. M. C., Copper, for Cartridges 32 S. & W., 32 Short, 32 Long, 38 S. & W., 44 S. & W., American Model ..... Per 1000 2.25

No. **1** —U. M. C., Copper, for Cartridges 32 and 38 Winchester, 44 Bull Dog, 44 Winchester, 44 Long ..... Per 1000 2.25

No. **1 1-2**—U. M. C., Brass, for Cartridges 32-40, 38-55, 40-60 Marlin, 40-60 Winchester, 45-70 Marlin ..... Per 1000 2.25

No. **2** —U. M. C., Copper, for ~~Paper~~ and Brass Shot Shells ..... Per 1000 2.25

No. **2 1-2**—U. M. C., Brass, for Cartridges 38-56, 40-65, 40-82, 45-60, 45-75 (45-70, Gov't.), 45-90.. Per 1000 2.25

No. **3** —U. M. C., for Trap, Walsrode and Smokeless Paper Shot Shells ..... Per 1000 2.25

No. **3W** —Winchester, Copper, for " Blue Rival " Paper Shot Shells ..... Per 1000 2.25

Nos. 1 and 1 1-2 are same size; Nos. 2 and 2 1-2 are same size.

### Dominion Primers

Interchangeable with U. M. C. make.

Nos. **1, 1 1-2, 2, 2 1-2** ..... Per 1000 $2.10

250 in a box, 1000 in a package.

### Eley's Primers

Eley's C. F. Primers. For Breech Loading Shot Shells ..... Per 1000 $1.65

Eley's C. F. Primers. For Breech Loading Shot Shells, Seconds ..... Per 1000 1.25

100 in a box, 1000 in a package.

### Percussion Caps

In Tin Boxes of 100.

Eley Bros.' E. B. Foil Lined Waterproof Caps ..... Per 1000 $0.85

F. C. Trimmed Edge Foil Lined Caps ..... Per 1000 .75

German Waterproof Gun Caps, in Paper Boxes ..... Per 1000 .45

Eley Bros.' E. B. Foil Lined Waterproof Military Caps ..... Per 1000 1.20

100 in a box, 1000 in a package.

## GUN WADS

| | | | | |
|---|---|---|---|---|
| Nos. | | 9 | 10 | 12 |
| Eley Bros.' Thin Card | Per 1000 | $0.35 | .32 | .25 |

1000 in a box.

| | | | | | |
|---|---|---|---|---|---|
| Nos. | | 8 | 9 | 10 | 11 to 20 |
| Eley Bros.' Elastic Chemically Prepared | Per 1000 | $1.20 | 1.05 | 1.05 | .95 |

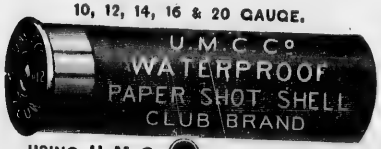
250 in a box.

Eley Bros.' Brown Thick Felt ..... Per pound $1.05

Half-pound in a bag.

## Paper Shot Shells

10, 12, 14, 16 & 20 GAUGE.




USING U. M. C. No. 2 PRIMER.

| Length of Shell, inches | | 2 7-8 | 2 5-8 | 2 7-8 | 2 9-16 | 2 9-16 | 2 1-2 |
|---|---|---|---|---|---|---|---|
| Gauge | | 10 | 12 | 12 | 14 | 16 | 20 |
| U. M. C., Club, C. F. | Per 1000 | $9.00 | 8.00 | 9.00 | 7.50 | 7.50 | 7.50 |
| Winchester Blue Rival, C. F. | Per 1000 | 9.00 | 8.00 | 9.00 | 7.50 | 7.50 | |
| Dominion Trap, C. F. | Per 1000 | 9.00 | 8.00 | | | | |

100 in a box.

Eley Bros.' Job, C. F., 10 gauge ..... Per 1000

Eley Bros.' Job, C. F., 12 gauge ..... Per 1000

500 in a package.

Winchester Blue Rival, for Nitro or Black Powders, C. F., 10 gauge, 2 7-8 inches ..... Per 1000 $9.00

Winchester Blue Rival, for Nitro or Black Powders, C. F., 12 gauge, 2 5-8 inches ..... Per 1000 8.00

100 in a box.

## Brass Shot Shells

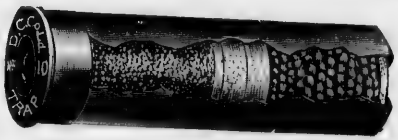
Dominion Brass Shot Shells, C. F., 10 gauge, 2 7-8 inches ..... Per 100 $8.00

Dominion Brass Shot Shells, C. F., 12 gauge, 2 5-8 inches ..... Per 100 8.00

Winchester First Quality Brass Shot Shells, C. F., 12 gauge, 2 5-8 inches ..... Per 100 10.00

25 in a box, use No. 2 primer.

## LOADED SHOT SHELLS



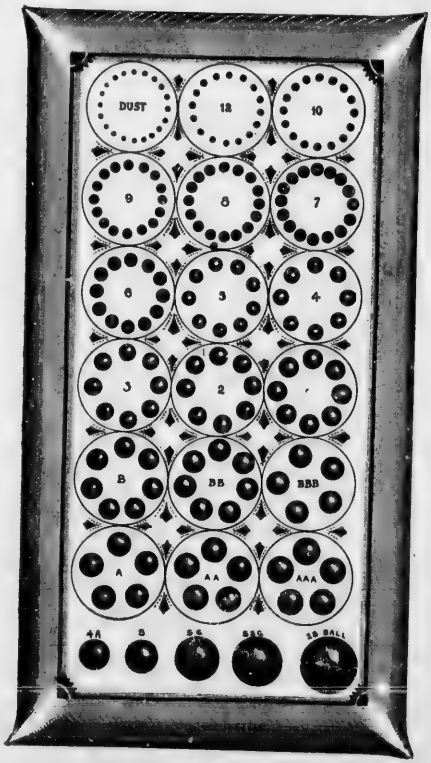
All Shells Loaded with One Card and Two Black Edge Wads over Powder, and One Card Wad over Shot.

10 Gauge, 4¼ Drams Powder, 1⅛ Ounces Shot.
12 Gauge, 3¼ Drams Powder, 1⅛ Ounces Shot.
16 Gauge, 2¾ Drams Powder, 1 Ounce Shot.
20 Gauge, 2½ Drams Powder, ⅞ Ounce Shot.

☞ Shells with Special Loads differing from above to order.

| Gauge | 10 | 12 | 16 | 20 |
|---|---|---|---|---|
| Dominion Trap Loaded Shells.....Per 1000 | $24.00 | 21.00 | ..... | ..... |
| U. M. C. Club Loaded Shells.....Per 1000 | 30.50 | 26.50 | ..... | ..... |
| Winchester Blue Rival Loaded Shells.....Per 1000 | 30.50 | 26.50 | 26.00 | 24.50 |

25 in a box, 500 in a case.




### Comparative Table of Nitro Powders.

| | Schultze. | "S.S." | "E.C." |
|---|---|---|---|
| 2½ drs. (meas.) Black Powder equal.... | 35 grs. | 34 grs. | 35 grs. |
| 2¾ drs. (meas.) Black Powder equal.... | 38 grs. | 36 grs. | 40 grs. |
| 3 drs. (meas.) Black Powder equal.... | 42 grs. | 38 grs. | 44 grs. |
| 3¼ drs. (meas.) Black Powder equal.... | 45 grs. | 40 grs. | 47 grs. |
| 3½ drs. (meas.) Black Powder equal.... | 48 grs. | 43 grs. | 50 grs. |
| 3¾ drs. (meas.) Black Powder equal.... | 51 grs. | 46 grs. | 53 grs. |

1 lb. = 256 drs. = 7000 grs.

## Shot

### Ordinary Drop Shot

In 25 lb. bags.

| | |
|---|---|
| Nos. **AAA** to **DUST**.....Per pound | $0 06 |
| Nos. **SSSG, SSG, SG** and **AAAA**.....Per pound | .07 |
| No. **28 Ball**.....Per pound | .07½ |

### Double Chilled Shot

In 25 lb. bags.

| | |
|---|---|
| Nos. **1** to **10**.....Per pound | $0 06½ |

Shot can be supplied in 3 and 5 lb. bags at an advance in List Price of ½c. per lb.

Card Wad over Shot.

| 12 | 16 | 20 |
|---|---|---|
| 21.00 | ..... | . . |
| 26.50 | ..... | ..... |
| 26.50 | 26.00 | 24.50 |

NITRO POWDERS.

| | Schultze. | "S.S." | "E.C." |
|---|---|---|---|
| l.... | 35 grs. | 34 grs. | 35 grs. |
| l.... | 38 grs. | 36 grs. | 40 grs. |
| l.... | 42 grs. | 38 grs. | 44 grs. |
| l.... | 45 grs. | 40 grs. | 47 grs. |
| l.... | 48 grs. | 43 grs. | 50 grs. |
| l.... | 51 grs. | 46 grs. | 53 grs. |

000 grs.

Shot

gs.

..... .....Per pound $0 06
.....Per pound .07
.....Per pound .07½

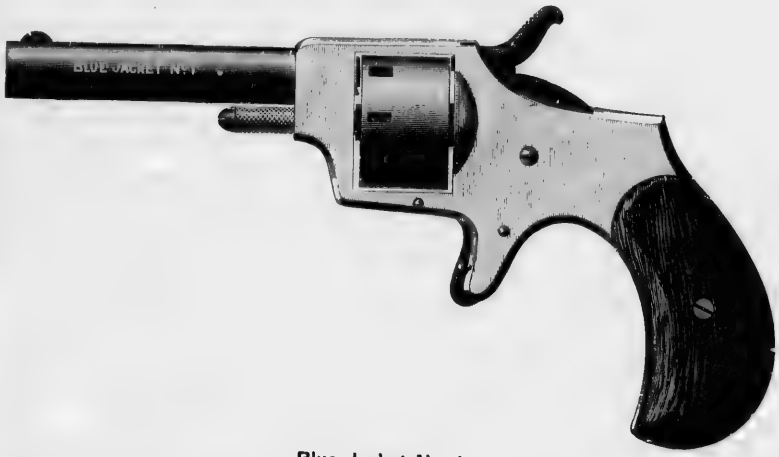
Shot

s.

.....Per pound $0 06½

o. bags at an advance
. per lb.

## RIM FIRE REVOLVERS



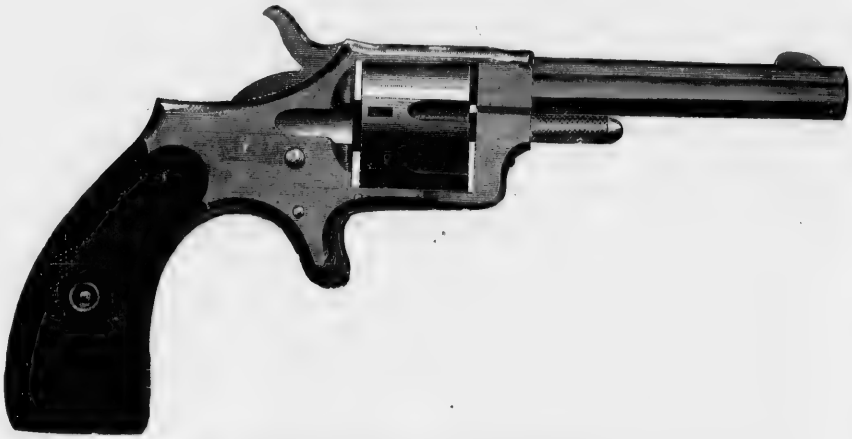

**Blue Jacket No. 1**

No. **87**—22 Caliber, 7 Shots, Wood Stock, Full Nickel-plated, Plain Cylinder, Round Barrel, for Short Rim Fire Cartridges ..... Each $1.45

**Ranger No. 1**

No. **93**—22 Caliber, 7 Shots, Rubber Stock, Full Nickel-plated, Plain Cylinder, Round Barrel, for Long or Short Rim Fire Cartridges ..... Each $1.90

## RIM FIRE REVOLVERS



### Blue Jacket No. 1 1-2, Saw Handle

No. **110**—22 Caliber, 7 Shots, Rubber Stock, Full Nickel-plated, Fluted Cylinder, Octagon Barrel, for Long or Short Cartridges ..... Each $2.50

### Dictator No. 2, Saw Handle

No. **147**—32 Caliber, 5 Shots, Wood Stock, Full Nickel-plated, Plain Cylinder, Round Barrel, for Long or Short Rim Fire Cartridges ..... Each $2.25
No. **148**—Same as 147, but Rubber Stock ..... Each 2.40
No. **150**—Same as 147, but Pearl Stock ..... Each 5.80
No. **196**—32 Caliber, Ranger No. 2, 5 Shots, Rubber Stock, Full Nickel-plated, Fluted Cylinder, Octagon Barrel, for Long or Short Rim Fire Cartridges ..... Each 3.00

## CENTRAL FIRE REVOLVERS

### Forehand Arms Co. Double Action

Forehand Arms Co —32 and 38 Calibers, 5 Shots, Rubber Stock, Full Nickel-plated, Fluted Cylinder, Octagon Barrel, for 32 and 38 S. & W. Cartridges.....Each $2.00

American Double Action—32 Caliber, 6 Shots, Rubber Stock, Full Nickel-plated, Fluted Cylinder, 4 1-2 Inch Octagon Barrel, for 32 H. & R. Long, or 32 S. & W. Cartridges.....Each 3.00

### British Bull Dog

British Bull Dog—32 Caliber, 6 Shots, Ebony Stock, Full Nickel-plated, Fluted Cylinder, Round Barrel, with Loading Gate and Expelling Pin.....Each $2.10

British Bull Dog—38 and 44 Calibers.....Each 2.25

## CENTRAL FIRE REVOLVERS

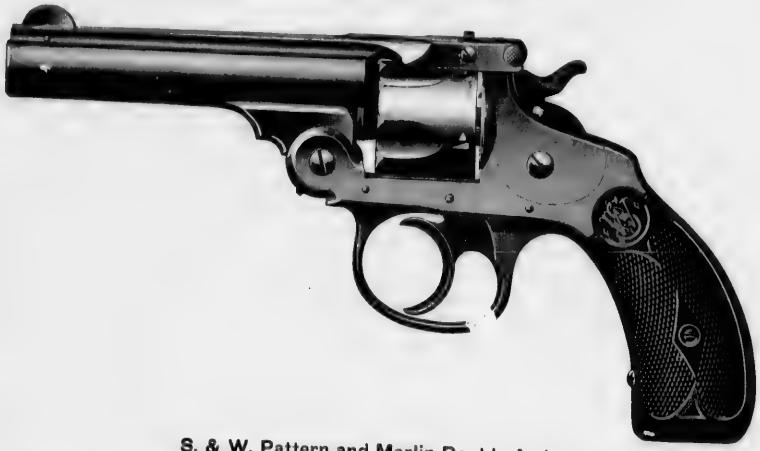
**XL Double Action, No. 3.**

No. **482, XL** No. **3**—32 Caliber, Rubber Stock, Full Nickel-plated, Fluted Cylinder, 3 Inch Octagon Barrel, for 32 S. & W. Cartridges..... Each $3.40

**XL Double Action, with Side Extractor**

No. **441**—32 Caliber, 6 Shots, Folding Hammer, Rubber Stock, Full Nickel-plated, Fluted Cylinder, 3 1-2 Inch Octagon Barrel, Loading Gate and Side Shell Ejector; for 32 S. & W. Cartridges..... Each $6.00

## CENTRAL FIRE REVOLVERS



### S. & W. Pattern and Marlin Double Action

Smith & Wesson Pattern—32 Caliber, 5 Shots, Rubber Stock, Full Nickel-plated, for 32 S. & W. Cartridges, Each $ 4.15
Smith & Wesson Pattern—38 Caliber ..... Each 4.50
Marlin—32 and 38 Calibers, 5 Shots, Rubber Stock, Full Nickel-plated, 3 1-2 Inch Barrel, for 32 and 38 S. & W. Cartridges ..... Each 10.50

The Marlin has no superior. No expense or care has been spared to make this Arm as near perfection as possible. Its style is identical with the Smith & Wesson Revolver, and in no respect its inferior.

### H. & R. Police Automatic and H. & R. Automatic Double Action

Police Automatic—32 Caliber, 6 Shots, Safety Hammer, Rubber Stock, Full Nickel-plated, 3 1-4 Inch Barrels, for C. F., H. & R. Long or S. & W. Short Cartridges ..... Each $5.70
Police Automatic—38 Caliber, 5 Shots, for S. & W. Cartridges ..... Each 5.70
H. & R. Automatic—32 and 38 Calibers, same as Police Automatic, but with Regular Hammer ..... Each 5.70

## CENTRAL FIRE REVOLVERS

### Hammerless

No. **641**—32 Caliber, Hopkins & Allen, Automatic Hammerless, Safety Lock, Rubber Stock, Full Nickel-plated, Special Small Reduced Frame; for pocket use; for 32 S. & W. Cartridges ..... Each $8 25

### Powder Flasks

OUTSIDE SPRING TOP.

No. **5172**—8 ounces..... Per dozen $3.35
No. **5179**—8 ounces..... Per dozen 4.60

### Shot Pouches

No. **14333**—2 1-2 pounds, Brass Lever Charger, Plain Russet Leather ..... Per dozen $ 6.00
No. **53007**—3 pounds, Steel Lever Charger, Plain Heavy Russet Leather ..... Per dozen 15.00

Half dozen in a package.

## BENCH CLOSERS

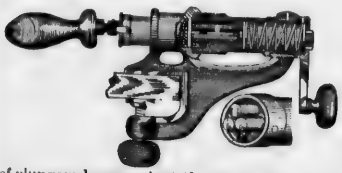
### No. 0 Improved

No. **0**—Malleable Iron, Brown Japanned, Case-hardened Lever, Brass Cup, 10 and 12 Gauge . . . . . Per dozen $5.65
No. **0**—Malleable Iron, Brown Japanned, Case-hardened Lever, Brass Cup, 14 and 16 Gauge . . . . . Per dozen 6.80

One in a box.

### The Nichol Anti-Friction Straight Feed Bench Closer

The only tool that will positively crimp every shell alike, no matter what the variation in load may be. Invaluable to users of nitro powders.



SPECIAL FEATURES OF THIS CLOSER ARE:

The Improved Crimping Head, in which the unfilled extremity of the cartridge shell is caused to be turned inward against the wad. The head is rotated, carrying the plungers in the arc of a circle around the inner part of the shell, and as the shell is forced inward, the end being forced against the pins of the revolving head, is folded or turned inward against the wad, bringing the folded portion next the plungers, which, by frictional contact are caused to rotate in the head. The head revolves and securely rolls the folded portions together, while the ends of plungers bear against the wad and by the tension of the coiled spring firmly force wad against the contents of the shell. A great amount of friction on the wearing parts is obviated, contributing to the life of the tool.

The Nichol Anti-Friction Bench Closer, 10 and 12 Gauge . . . . . Per dozen $18.00

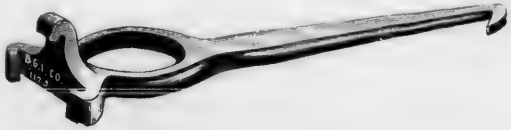
One in a box.

### Shell Extractors

No. X.

No. 1170.

No. **X**—Ring Shell Extractor, Nickeled Iron, 10 and 12 Gauge . . . . . Per dozen $0.55
No. **1170**—Ring Shell Extractor, with Screw for Recapping, Polished Nickel Finish, 10 and 12 Gauge. Per dozen 5.00



No. **1175**—Hook Shell Extractor, Polished Nickel Finish, 10 and 12 Gauge . . . . . Per dozen $2.50

Ring Handle on Nos. 1170 and 1175 can be used as a gauge for sizing body of shell after loading.

## GUN IMPLEMENTS

SETS.

No. **159**—Brass Shell Set, Four Implements, viz. : Loader, Capper, Shell Extractor and Measure, 10 and 12 Gauge.....Per dozen sets $ 4.20

No. **161**—Brass and Paper Shell Set, Six Implements, viz. : Loader, Closer, Capper, Shell Extractor, Measure, Cleaning Rod with Swab, Wiper and Scratch Brush—

10 and 12 Gauge .....Per dozen sets $14.70
14 and 16 Gauge .....Per dozen sets 17.65

No. **161C**—As No. 161, but all Wood Parts of Polished Cocobolo Wood, 10 and 12 Gauge .....Per dozen 21.00

One set in a box.

### Duck Calls

No. 760.

### Dog Whistles

No. 611.

No. **760** —Duck Calls, Cocobolo Wood and Nickel Tip.....Per dozen $3.35
No. **760H**—Duck Calls, Cocobolo Wood and Horn Tip.....Per dozen 5.25
No. **611** —Horn Dog Whistles, with Curved Lip, No. 2 Medium .....Per dozen 3.15
No. **611** —Horn Dog Whistles, with Curved Lip, No. 3 Large .....Per dozen 4.20
No. **10** —Britannia Metal Dog Whistles, with Ring, Medium .....Per dozen 1.15

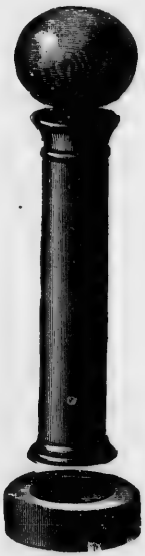
One dozen in a box.

## WAD CUTTERS

| Nos. | | 8 | 9 | 10 to 16 |
|---|---|---|---|---|
| Wad Cutters, cast steel | ...Per dozen | $1.90 | 1.60 | 1.20 |

## GUN IMPLEMENTS

### Loaders



No. 147.

No. 189.

No. 190.

No. **190** —Birch Rammer and Base, Steel Cap Expelling Pin, 10 and 12 gauge ..... .....Per dozen $1.05
No. **189** —Birch, Polished Nickel Spun Tube, Steel Cap Expelling Pin, 10 and 12 gauge.....Per dozen 1.45
No. **189C**—Same as 189, but Cocobolo Wood.....Per dozen 2.65
No. **147** —Barclay Pattern, Inside Spring, Polished Nickel Tube, Apple Head, 10 and 12 gauge.....Per dozen 7.35
One dozen in a box.

### Measures

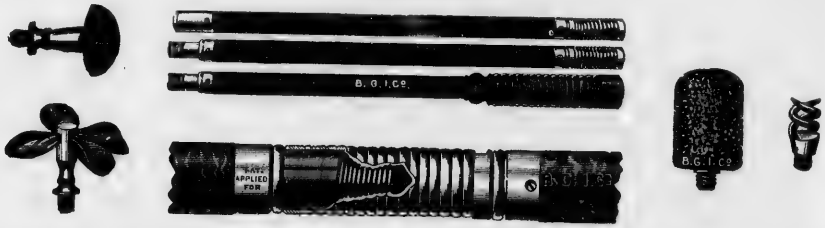
No. **20R**—Birch Rammer Handle, Polished Nickel Cup, 2 1-2 to 5 drams, 1 to 2 1-2 ounces..... .....Per dozen $1.35
One dozen in a box.

## GUN IMPLEMENTS

### Shell Cutter

No. **1124**—Shell Cutter, Square Blade, Nickeled Handles, 10 and 12 Gauge ..... Per dozen $15.00

### Cleaning Rods




No. **95**—Triple Jointed, Birch Wood Polished, Patent Brass Joints and Three Implements, Swab, Scratch Brush and Wiper..... .....Per dozen sets $5.25

One dozen in a box.

No. **121**—Triple Jointed, Cocobolo Wood, Polished, Nickel Trimmings, Four Implements, Swab, Scratch Brush, Wiper and Wormer ..... .....Per dozen sets $12.60

One-twelfth dozen in a box.

No. **8**—Straight Hickory Cleaning Rods, with Brush, 10 and 12 Gauge..... ..... .....Per dozen $2.10

No. **152**—Iron Flobert Rifle Rod, Slotted and Jagged, Ring Handle.....Per dozen 1.15

### Field Cleaners

No. **442**—NEW MODEL, Bristle Brush, Double Slotted Wiper, String and Weight, Fine Leather Pouch with Clasp, 10 and 12 Gauge.....Per dozen $11.55

One dozen in a box.

### Cappers

No. **1180B**—Capper, Black Japanned, Iron, 10 and 12 Gauge..... ..... .....Per dozen $0.75

One dozen in a box.

## GUN WORMS

No. **1050**—Brass Capped, 8-32 inch diameter ..... Per gross $ 6 00
No. **1070**—Brass Capped, 11-32 inch diameter ..... Per gross 7.75

## Ram Rod Tops

No. **1020**—Open End, Brass, 5-8 inch diameter ..... Per gross $ 6.50

## Plugs and Nipples

No. **270**—Best Quality screwed ..... Per gross $10.00

## Gun Nipples

No. **A215**—Good Quality, assorted screws ..... Per gross $ 4.00
No. **A 89**—Extra Quality, assorted screws ..... Per gross 5.25
No. **100**—Military, Fine Steel, for Converted Rifle ..... Per gross 7.25
One-quarter gross in box.

## Gun Locks

Golcher's Back Action, polished and engraved ..... Per dozen $ 9.00
Golcher's Front Action, polished and engraved ..... Per dozen 8.50
Golcher's Back Action, polished and engraved, in pairs ..... Per dozen pairs 18.00
Golcher's Front Action, polished and engraved, in pairs ..... Per dozen pairs 17.00

## Cartridge Bags

## Cartridge Belts

No. **77** —Canvas Cartridge Bags, for 75 Shells, Double Pocket, Leather Bound, with Shoulder Strap. Per dozen $ 6.50
No. **195** —Canvas Cartridge Belts, Leather Loops and Shoulder Strap, 10 and 12 Gauge ..... Per dozen 6.00
No. **93 1-2**—Leather Cartridge Belts with Shoulder Strap, for 12 Gauge Shells, 2 1-4 inches ..... Per dozen 11.25
No. **93** —Leather Cartridge Belts with Shoulder Strap, Heavy, for 10 and 12 Gauge Shells, 2 1-2 inches ..... Per dozen 12.50

## Gun and Rifle Covers

No. **62** —Victoria Shape Canvas Gun Covers, with Handle ..... Per dozen $11 25
No. **56C**—Victoria Shape Sole Leather Gun Cover, with Side Pocket ..... Each 4.50
No. **58C**—Victoria Shape Sole Leather Gun Cover, with Side Pocket, Flannel Lined ..... Each 5.00
No. **47D**—Canvas Covers with Handle, for Magazine Repeating Shot Guns ..... Per dozen 10.00
No. **49B**—Canvas Rifle Cover with Sling, for Magazine Repeating Rifles ..... Per dozen 9.00

## THE HAMILTON BLUE ROCK ARTIFICIAL BIRD AND TRAP

Expert Trap.

### Hamilton Blue Rocks

Packed in barrels containing 500 ..... Per 1000 $9.00

These Artificial Birds have been tested at the Trap by all the leading Gun Clubs, and their flying and breaking qualities acknowledged superior to any other made.

### The Expert Trap

The Expert Blue Rock Trap ..... Each $7.50

This Trap is of latest design and will throw at Five Angles.

### Gun Grease

Every owner of a Rifle, Shot Gun or Revolver should use Gun Grease.

As soon as possible after firing the Arm, clean the Barrel thoroughly, passing a piece of cloth, moistened with the Grease, through the Barrel before putting it away. This will prevent it from rusting and preserve its finish and lustre.

Put up in Collapsible Metal Tubes..... Per dozen $1 25

## GUN, BICYCLE AND SEWING MACHINE OILS

### Gun Oil

2 oz. Bottles.....Per dozen $1.15

### Bicycle Oil

3 oz. Bottles.....Per dozen 1.05
4 oz. Bottles.....Per dozen 1.30

One dozen in wood box.

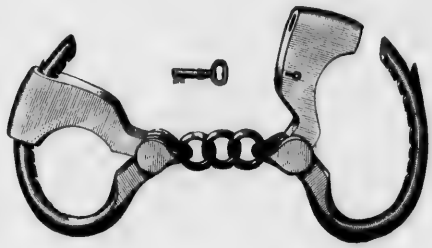
### Sewing Machine Oil

2 oz. Bottles.....Per dozen $0.90

### Counter Shot Case

8 Shot Compartments, 2 Cap and Cartridge Compartments, length 24 inches, height 13 inches, depth 9 inches. Each $7.50

## ADJUSTABLE HAND CUFFS.



With Double Lock and Patent Stop, which prevents prisoner from locking before Cuffs are placed on wrist.

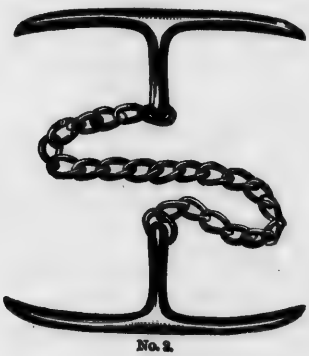
No. **60**—Tower's, bright, polished ..... Per pair $7.25

### Leg Irons

No. **70**—Tower's, bright, polished ..... Per pair $10.50

## Twisters and Nippers.

No. 1.



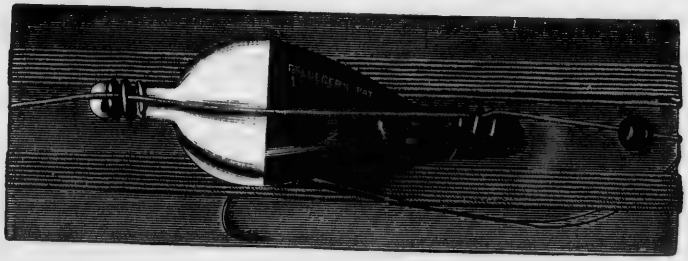
No. 2.

**No. 1.** Tower's Perfect Twisters or Chain Nippers. Handles interlock alike from either side. Weight 3 Ounces, Nickel Plated..... Each $1.80

**No. 2.** Tower's Chain Police Nippers. To clasp the wrists when making arrests. Weight 4⅛ Ounces, Nickel Plated..... Each 1.80

PACKED AS WANTED.

## FURNISHED FISH LINES



No. **4**—With Patent Adjustable Float, 1 3-4 inches, Painted Two Colors, 15 feet Drab Cotton Line, One Ringed Hook, One Sinker, on Wooden Winder ..... Per gross $ 7.20

One-sixth gross in a box.

No. **10**—With Patent Adjustable Float, 2 inches, Painted Two Colors, 15 feet Sea Island Cotton Line, One Hook to Double Gut, One Sinker, on Wooden Winder ..... Per gross 17.40

One-twelfth gross in a box.

### White Cotton Fishing Lines

| Nos | | **100** | | **101** | | **102** |
|---|---|---|---|---|---|---|
| 15 feet ..... Per gross | | $1.50 | .... | 1.70 | .... | 1.90 |

### Drab Cotton Fishing Lines

| Nos | **201** | | **202** | | **203** | | **205** |
|---|---|---|---|---|---|---|---|
| 15 feet ..... Per gross | $1.65 | .... | 2.10 | .... | 2.25 | .... | 3.00 |

Half gross in a box.

### Grey Linen Fishing Lines

No. **305**—60 feet, Grey Linen Trolling Lines ..... Per gross $15.00
No. **402**—60 feet, Grey Linen Trolling Lines ..... Per gross 9.75

One dozen in a box.

### Hemp Trolling Lines

No. **123**—60 feet, Best Hemp Trolling Lines ..... Per dozen $0.90

One dozen in a package.

### White Cotton Seine Twine

White Cotton Seine Twine, soft laid, Nos. **6** to **40** thread ..... Per pound $
White Cotton Seine Twine, medium laid, Nos. **12** to **120** thread ..... Per pound
White Cotton Seine Twine, hard laid, Nos **9** to **120** thread ..... Per pound

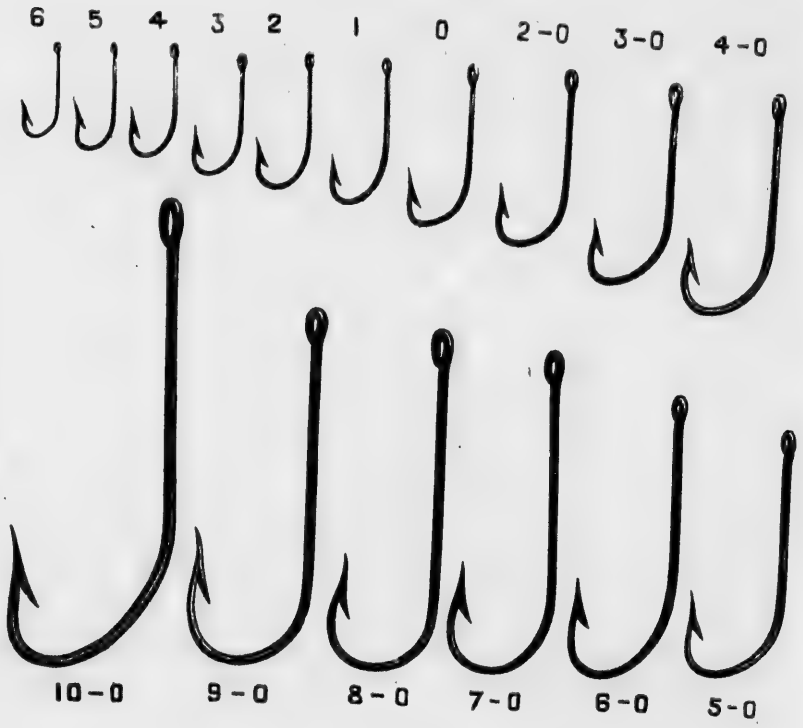
### St. Peter's Cod Lines

No. **12**—XL quality St. Peter's Cod Lines, 30 yards ..... Per dozen $
No. **15**—XL quality St. Peter's Cod Lines, 30 yards ..... Per dozen
No. **18**—XL quality St. Peter's Cod Lines, 30 yards ..... Per dozen

One dozen in a bundle.

## FISH HOOKS

KIRBY OR LIMERICK, RINGED.




Full size cuts.

### Ringed Fish Hooks, Kirby or Limerick

| Nos. | 0 to 1 | 1/0 | 2/0 | 3/0 | 4/0 | 5/0 | 6/0 | 7/0 | 8/0 | 10/0 |
|---|---|---|---|---|---|---|---|---|---|---|
| Per 1000 | $0.75 | 1.15 | 1.35 | 1.50 | 1.90 | 2.25 | 2.65 | 3.00 | 3.40 | 5.25 |

100 in a box.

### Kirby Fish Hooks to Gut

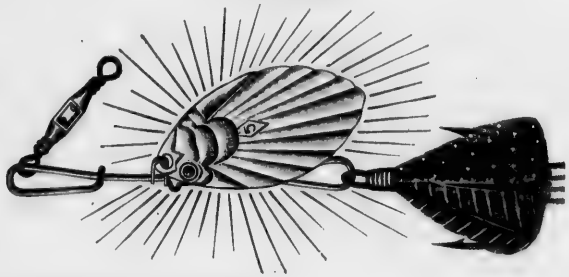
| Nos. | 1 | .... | 2 | .... | 3 |
|---|---|---|---|---|---|
| Per 100 | $1.80 | .... | 1.80 | .... | 1.80 |

10 in a package.

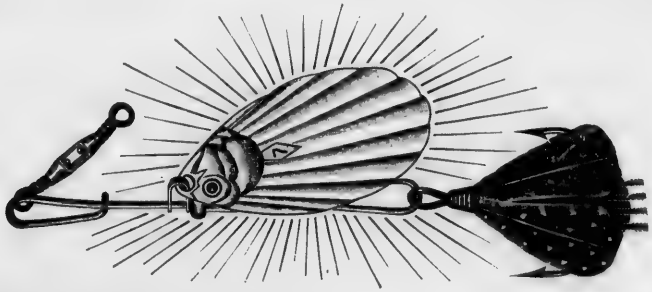
## SPOON BAITS

### The "Success" Luminous, and "Clipper" Non-Luminous Minnow Head Fluted Spoons, with Patent Reversible Hinge Lug

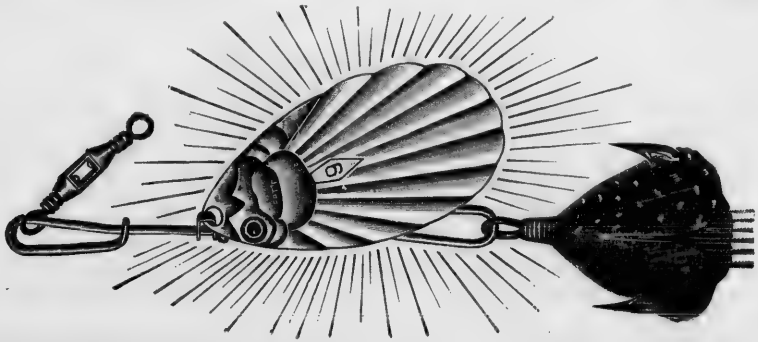
Full size cuts.



No. 5—"SUCCESS," Luminous, Silver Gimp Leaders ..... Per dozen $5.00
No. 5—"CLIPPER," Non-Luminous ..... Per dozen 3.75



No. 7—"SUCCESS," Luminous, Silver Gimp Leaders ..... Per dozen $5.00
No. 7—"CLIPPER," Non-Luminous ..... Per dozen 3.75



No. 9—"SUCCESS," Luminous, Silver Gimp Leaders ..... Per dozen $6.25
No. 9—"CLIPPER," Non-Luminous ..... Per dozen 4.50

"Success" sewn on glazed cards, half-dozen in fancy box.

"Clipper" one dozen in a box.

## SPOON BAITS

Full Size Cuts.

**Governor Bait**
Luminous.

No. 792 x 8.

**Kidney Bait**
Non-Luminous.

No. 619 x 5.

**Kidney Ball Bait**
Non-Luminous.

No. 229 x 4.

### The Governor Bait

Luminous.

Soft Rubber Minnow and Spoon.

No. **792 x 8**—Governor Bait ..... Per dozen $10 00

### Kidney Baits

Nickel-plated, Strong Bright Hooks (Feathered), English Swivel, Reversible Hinge Lug

| No. **619** x | **4** | **5** | **6** |
|---|---|---|---|
| Per dozen | $1.50 | 1.50 | 1.50 |

One dozen in a box.

### Kidney Ball Baits

No. **229 x 4**—Kidney Ball Baits, Nickel-plated, Reversible Hinge Lug, Embossed ..... Per dozen $2.25

One dozen in a box.

## SPOON BAITS

Full Size Cuts.

### Irvin Spinners

No. 3.

### Trout Spinners

No. 9.

### Bass Spinners

No. 11.

### Irvin Spoon or Bass Spinner

No. **116**—Irvin Spinners, No. 3, nickel both sides of blade.....Per dozen $2.00
One dozen in a box.

### Luminous Trout Spinner

No. **127**—Trout Spinners, No. 9, luminous.....Per dozen $3.00
Sewn one on fine card. One dozen in fancy box.

### Luminous Bass Spinner

No. **1377**—Bass Spinners, No. 11, luminous.....Per dozen $3.50
Sewn one on fine card. One dozen in fancy box.

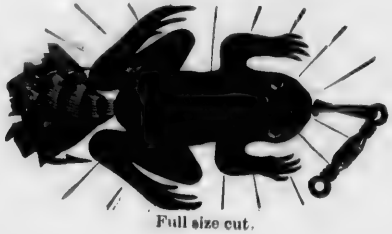
### Luminous Crystal Minnows

No. 1.

No. **129**—Luminous Crystal Minnows, No. 1.....Per dozen $7.50
Six on a perforated card. Two cards in a box.

NOTE.—The luminous properties of Luminous Baits are phosphorescent in nature, but do not contain phosphorus. Before testing luminosity in the dark, expose same to light, either natural or artificial, and it will shine for some length of time. Luminous Bait has no equal for day use, as the combination of luminous nickel and red has proven, and it is the only bait that can be used in deep or roily waters and after dark.

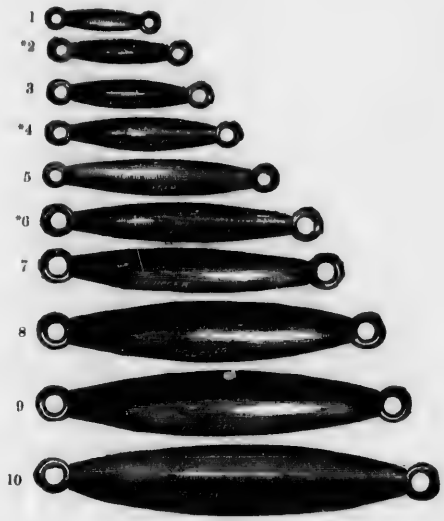
## SOFT RUBBER BAITS



Full size cut.

No. **712**—Luminous Frog, No. 1 ..... Per dozen $5.50

## Ringed Sinkers




## Wood Floats

No. 65.

### Ringed Sinkers

| Nos | 2 | 4 | 6 |
|---|---|---|---|
| Per gross (sizes marked * only carried in stock) | $0.75 | $0.90 | $1.15 |

One gross in a box.

### Wood Floats

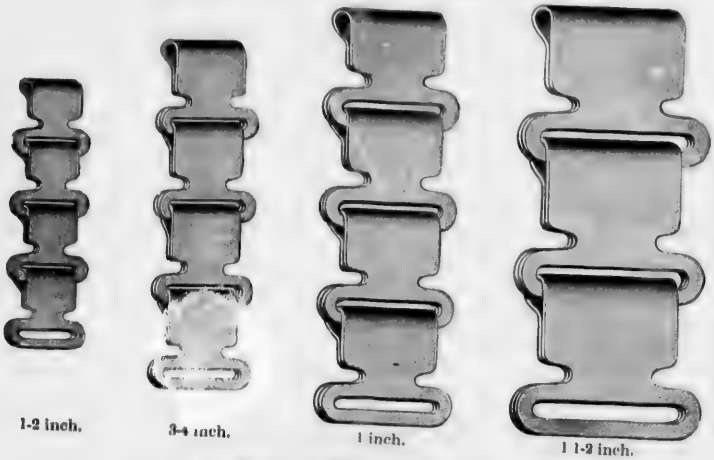
No. **65**—1 3-4 inch, Solid Wood Float, Painted, with Patent Coil Spring Fastener ..... Per gross $0.25
No. **65**—2 inch, Solid Wood Float, Painted, with Patent Coil Spring Fastener..... Per gross .75
No **65**—2 1-2 inch, Solid Wood Float, Painted, with Patent Coil Spring Fastener ..... Per gross .00

One dozen Assorted Colors, in a box.

## KELLEY'S PATENT DOG COLLARS

Patented February 18th, 1892.

Cuts showing full size links of Kelley's Patent Dog Collars.



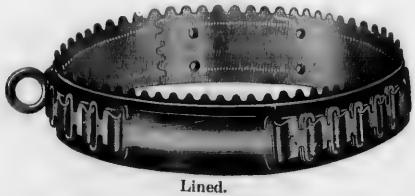
1-2 inch. 3-4 inch. 1 inch. 1 1-2 inch.

Unlined.

**Steel, Nickeled**

No. **220**— 1-2 inch wide, assorted lengths, 9, 11, 13 inches ..... Per dozen $1.80
No. **221**— 3-4 inch wide, assorted lengths, 13, 15, 17 inches ..... Per dozen 2.25
No. **222**— 1 inch wide, assorted lengths, 17, 19, 21 inches ..... Per dozen 3.40
No. **223**—1 1-2 inch wide, assorted lengths, 21, 23, 25 inches ..... Per dozen 4.05

One dozen in a box.



Lined.

**Steel, Nickeled. Hard Leather Linings**

No. **220S**— 1-2 inch wide, assorted lengths, 9, 11, 13 inches ..... Per dozen $3.05
No. **221S**— 3-4 inch wide, assorted lengths, 13, 15, 17 inches ..... Per dozen 3.75
No. **222S**— 1 inch wide, assorted lengths, 17, 19, 21 inches ..... Per dozen 5.10
No. **223S**—1 1-2 inch wide, assorted lengths, 21, 23, 25 inches ..... Per dozen 6.25

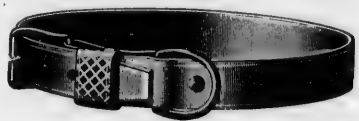
One dozen in a box.

## DOG COLLARS

No. 2058. Studded.

Fine Russet Leather, Riveted to Buckle, Nickel-plated Trimmings.

No. **2058**—1 1-2 inches wide, Assorted Lengths, 21, 23, 25 inches.....Per dozen $10.00
Half dozen in a box.



Plain Leather.

Hardy's 1 and 1 1-4 inch Heavy Leather, Japanned Roller Buckle and Dee, Assorted, 21 to 27 inches....Per dozen $3.75

### Dog Collars on Cards

No. **01**—One dozen Assorted Colors, Studded, Plain and Lined, Name Plates, Buckles and Rings, widths 1-2 to 3-4, lengths 11 to 15.....Per dozen $2.40
No. **04**—One dozen Assorted Black, Russet and Orange, Studded, Plain and Lined, Name Plates, Buckles and Rings, Collars requiring Locks have them, widths 5-8 and 3-4, lengths 13 to 17 inches.....Per dozen 3.60
No. **06**—Half-dozen Assorted Black, Russet and Orange, Studded, Plain and Lined, Name Plates, Buckles and Rings, Collars requiring Locks have them, widths 1 and 1 1-4, lengths 17 to 21 inches.....Per dozen 6.00

### Dog Collar Locks

No. 2882.

No. 2861.

No. 101 (Aluminum).

No. 30.

No. **2882**—Nickel-plated.....Per dozen $1.65
No. **305-61**—Brass.....Per dozen 1.30
No. **2861**—Brass.....Per dozen 1.80
No. **2881**—Nickel-plated.....Per dozen 1.65
No. **101**—Aluminum Metal.....Per dozen 2.75
No. **103**—Bronze Metal.....Per dozen 2.20
No. **30**—5-8 inch Brass.....Per dozen 3.75

### Dog Lead Chains

No. **9 1-2**—4 feet Aluminum Dog Lead Chains.....Per dozen $1.25
One dozen in a box.

## COTTON HAMMOCKS

Made of Superior Quality Cord.

Triangular Ring.

| No. | Length | Per dozen |
|---|---|---|
| 6 | 7 1-2 feet | $ 4.50 |
| 9 | 8 feet | 6.75 |
| 12 | 9 1-2 feet | 9.00 |
| 15 | 10 feet | 11.50 |
| 18 | 10 1-2 feet | 13.50 |
| 21 | 11 feet | 16.00 |
| 24 | 11 1-2 feet | 18.00 |

| No. | Length | Per dozen |
|---|---|---|
| 30 | 12 feet | $21.00 |
| 33 | 12 1-2 feet | 23.00 |
| 36 | 13 feet | 25.50 |
| 39 | 14 feet | 27.50 |
| 42 | 14 feet | 30.00 |
| 48 | 14 feet | 34.00 |

## The Daisy Hammock

White Cotton Cord.

Triangular Ring.

| No. | Length | Per dozen |
|---|---|---|
| 1 | 8 1-2 feet | $6.25 |
| 2 | 10 feet | 7.75 |

| No | Length | Per dozen |
|---|---|---|
| 3 | 12 feet | $11.00 |
| 4 | 12 1-2 feet | 15.00 |

## Anchor Ropes

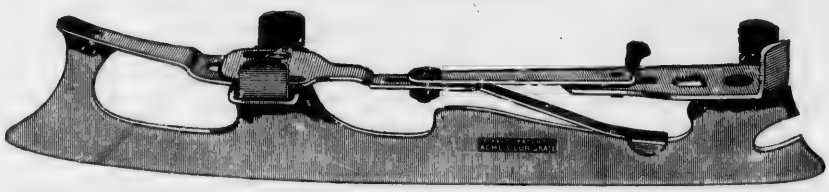
For suspending and adjusting hammocks. Full directions accompany each rope.

Hammock Anchor Ropes.....Per single dozen $1.50

## Hammock Spreaders

Hammock Spreaders.....Per single dozen $1.60

## ACME CLUB SKATES

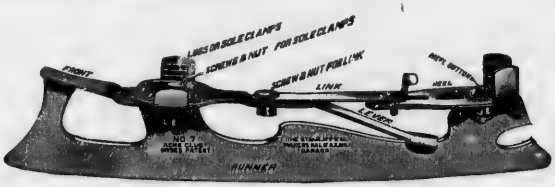


### German Acme

| | | |
|---|---|---|
| No. **5**—German Acme Skates, polished blades | Per pair | $0 70 |
| No. **6**—German Acme Skates, polished concave blades | Per pair | 1.50 |
| No **10**—German Acme Skates, hardened steel blades, nickel-plated | Per pair | 1.60 |

### Starr Manufacturing Co's Acme

| | | |
|---|---|---|
| No. **3**—Cast steel, polished blades, nickel-plated | Per pair | $1.40 |
| No. **5**—Cast steel, polished blades | Per pair | 1.60 |
| No. **7**—Hardened steel blades, polished | Per pair | 2.75 |
| No. **10**—Hardened steel blades, polished and nickel-plated | Per pair | 3.75 |
| No. **14**—Hardened steel blades, silver-plated, gilt tops | Per pair | 5.00 |




This illustration gives names of the different parts and will be found convenient when requiring duplicates.

| | | |
|---|---|---|
| Runners | Per pair | $1 00 |
| Fronts | Per pair | .15 |
| Levers | Per pair | .25 |
| Links | Per pair | .12 |
| Heels | Per pair | .20 |
| Heel Buttons | Per dozen | .50 |
| Lugs | Per dozen | .50 |
| Screws and Nuts | Per dozen | .50 |
| Wrenches | Per dozen | .25 |

## Athletic Skates

No loose parts to become detached and lost, no screws or nuts of any description being used in the entire skate.

No key or wrench required.

| | | |
|---|---|---|
| No. **5** —Polished blades | Per pair | $0.80 |
| No. **5N**—Polished blades, nickel-plated | Per pair | 1.25 |
| No. **7** —Hardened steel blades, polished | Per pair | 2.40 |
| No. **7N**—Hardened steel blades, polished and nickel-plated | Per pair | 3.30 |

## HOCKEY SKATES

No. **8**—German Hockey Skates ..... Per pair $1.90
No. **7**—STARR Hockey Skates, hardened steel blades, polished ..... Per pair 2.60
No. **10**—STARR Hockey Skates, hardened steel blades, polished and nickel-plated ..... Per pair 3.40

### Skate Straps

| Inches | 21 | 24 | 30 | 36 | 20 to 24 |
|---|---|---|---|---|---|
| Per dozen pairs | $1.00 | 1.05 | 1.50 | 1.65 | 1.05 |

### Hockey Sticks

XXX Hockey Sticks, small pattern ..... Per dozen $5.75
XXX Hockey Sticks, large pattern ..... Per dozen 6.50

### Harvest Mitts

No. **10**—Leather Harvest Mitts ..... Per dozen $3.00
No. **11**—Leather Harvest Mitts ..... Per dozen 3.75
No. **13**—Leather Harvest Mitts ..... Per dozen 4 50
No. **15**—Leather Harvest Mitts ..... Per dozen 5.75
No. **10**—Saranac Harvest Mitts ..... Per dozen 3.60
No. **11** –Saranac Harvest Mitts ..... Per dozen 4.00

### Corn Huskers and Gloves

No. **3**—Corn Huskers ..... Per dozen $ 1.15
No. **3**—Husking Gloves ..... Per dozen 15.00
No. **4**—Husking Gloves ..... Per dozen 17.25

### Axe Wedges

Malleable Axe Wedges ..... Per gross $3.40

### Carpet Beaters

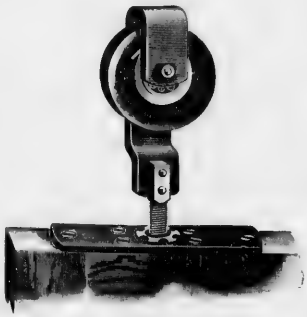
Wire Carpet Beaters, small ..... Per dozen $1.80
Wire Carpet Beaters, large ..... Per dozen 2.10
Cane Carpet Beaters ..... Per dozen 2.75

### Rising Sun Stove Polish

Rising Sun Stove Polish, 3 oz. ..... Per gross $ 6.75
Rising Sun Stove Polish, 6 oz. ..... Per gross 12.50

## LANE'S NEW MODEL PATENT STEEL PARLOR DOOR HANGER

Made entirely of Steel, all parts Tinned.



The wheel is fitted with Lane's well-known Roller Bearings running on a hard steel bushing, making it anti-friction, and never requires oil.

All hangers, therefore, are adapted to any length run.

The wheel has a vulcanized fibre filling, rendering it noiseless in action.

The adjustment of this hanger is a novel feature, and may be accomplished from either above or below the base plate as desired. The adjusting nut extends entirely through the plate, having serrated projections or flanges both above and below by which it may be turned.

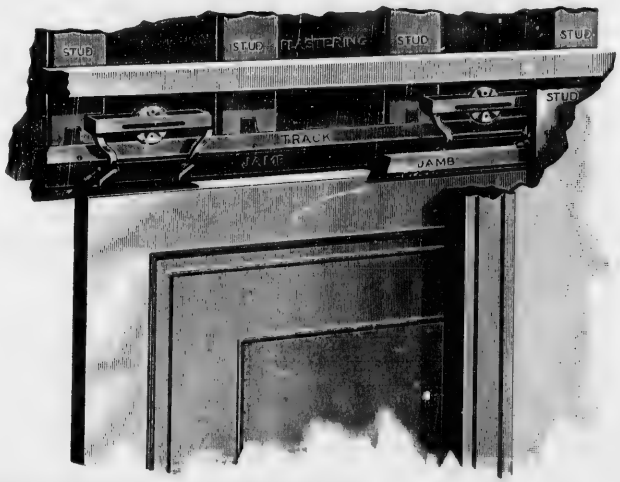
It will be noticed that the nut is thus permanently fastened to the plate, and cannot work out or be lost.

In many cases the New Model may be adjusted from the end of the door, but this hanger is particularly well adapted to *single doors* where it is impracticable to run them out far enough to get at the rear edge of the door, in which case the New Model may easily be adjusted from the side by simply removing the stop.

Another very important feature lies in the fact that both hangers of a pair are alike, and there are consequently no rights or lefts.

Per set (4 hangers), including 14 feet of track, gravity stops, striking plates and floor plates ..... $ 6.00
Per half set (2 hangers), including 8 feet of track, and fixtures ..... 3.00

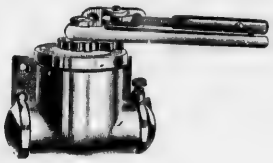
## Stearns' Anti-Friction Steel Parlor Door Hanger




No. 5—For Double Doors, 4 hangers, 14 feet of track (7 feet lengths) ..... Per set $6.75
No. 6—For Single Doors, 2 hangers, 8 feet of track (one-half set)..... Per half set 3.50

This hanger is single track and of the anti-friction type. The centres of the wheels are made of vulcanized fibre, the edge of which forms a rolling surface. This fibre centre forms a solid disc extending to the axle, and is firmly held between plates by rivets passing through both plates, as well as the fibre. Each hanger may be adjusted independent of the other by use of a screw driver without deranging any part. Base plates are attached to the top of the door without cutting or mortising. The adjusting screws are 2 1-2 x 5-16 inches, specially made and possess great strength. They are placed at the upper corners of the doors where they can be most conveniently adjusted. The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw.

## THE BLOUNT DOOR CHECK AND SPRING



THE CLOSING OR SPRING POWER can readily be increased, decreased or removed entirely without disarranging any other part of the check.

THE BALL AND SOCKET JOINTS which connect the arms, prevent any possibility of binding in case the door should sag or swing out of line. It is reversible by adjustment, and can be used on a right or left hand door. The bearings are few, large and strong. The extension arms admit of its being attached to either flush or projecting finish.

THE ONLY RESISTANCE when opening a door with this check and spring attached is simply the tension of the spring, which is so slight that it is hardly noticeable. This is an important feature and much appreciated by the public, especially by ladies, children, elderly and infirm people.

THE CHECKING POWER is under direct control, being governed by a regulating valve on the cylinder, which can be easily and quickly adjusted so as to close the door at any speed desired, and make slamming of doors absolutely impossible.

DIRECTIONS FOR ATTACHING ACCOMPANY EACH CHECK.

Size **A**—Suitable for inside doors not exceeding 3 feet wide by 1¼ inch thick..... .....Each $5.00
Size **B**—Suitable for vestibule and light outside doors, not exceeding 2 feet 6 inches wide by 2 inches thick..Each 6.50
Size **C**—Suitable for doors not exceeding 3 feet wide by 2 inches thick..... .....Each 7.75
Size **E**—With power 4 times greater than C, for extra heavy outside doors, such as church, schoolhouse, railroad depot, hotel, etc., etc..... ..... Each 13.00

## Lightning Raisin Seeder

Seeds raisins, removing every seed as fast as they are dropped into hopper.

**Lightning Raisin Seeder**

Per dozen ..... .....$13.50

This little machine is a marvel of simplicity, a child can operate it, and with ordinary care it cannot possibly get out of order.

DIRECTIONS.

Adjust the rubber roller firmly against the teeth of steel roller with aid of thumb screw, wet the raisins, drop them into the hopper and turn the crank.

To obtain best results, do not clog the machine by placing too many raisins in the hopper at one time. Keep the rubber roll clean and moist with a wet cloth or sponge while using to prevent gumming.

## ANCHORS

IRON STOCK.

| | |
|---|---|
| Iron Stock Anchors, japanned, 25 lbs. | Per pound $0.8¼ |
| Iron Stock Anchors, japanned, 35 lbs. | Per pound .8 |
| Iron Stock Anchors, japanned, 45 lbs. | Per pound .8 |
| Iron Stock Anchors, japanned, 60 lbs. | Per pound .6¾ |

## White Cotton Duck

FOR SEPARATORS, TENTS, AWNINGS, ETC.

No. 8.

| Width, inches | 40 | .42 |
|---|---|---|
| Per yard | $0.38 | .40 |

No. 10.

| Width, inches | 36 | 38 | 40 | 44 | 50 | 58 | 60 |
|---|---|---|---|---|---|---|---|
| Per yard | $0.29 | .30 | .32 | .35 | .40 | .46 | .48 |

8 ounce Duck, 29 1-2 inches wide.... Per yard $
10 ounce Duck, 29 1-2 inches wide.... Per yard

In rolls of about 100 yards.

## Enamelled Cloth

1 1-4 yards wide.

### Muslin

| | |
|---|---|
| Pebbled Back, Muslin | Per yard $0.30 |
| Dull Finish, Muslin | Per yard .30 |
| Dark Maroon, Muslin | Per yard .45 |

12 yards in a roll.

### Drill

| | |
|---|---|
| Pebbled Back Drill | Per yard $0.45 |
| Dull Finish Drill | Per yard .45 |
| Dark Maroon Drill | Per yard .60 |
| Tan Back Drill | Per yard .63 |
| Green Drill | Per yard .65 |

12 yards in a roll.

### Duck

| | |
|---|---|
| Pebbled Back Duck | Per yard $0.55 |

12 yards in a roll.

### Rubber Drill

| | |
|---|---|
| I. R. Drill, 22 oz. | Per yard $0.65 |
| I. R. Drill, 24 oz | Per yard .75 |
| I. R. Drill, brown back, 22 oz. | Per yard .75 |

12 yards in a roll.

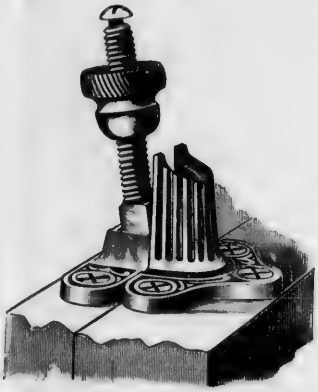
## Brass Cased Rods

FOR VESTIBULE RODS, ETC.

1-4 5-16 and 3-8 inch.

## Solid Brass Rods

3-16 to 1-2 inch.



Style of Ornamental Bronzed.

## PATENT SCREW SASH FASTENER

This Sash Fast draws the sashes firmly together, at the same time time forcing them tightly against the top and bottom of the frame. All rattling is obviated and the window perfectly secured against entrance.

**Ornamental Bronzed**

Ornamental Geneva bronzed ..... Per dozen $4.50

**Plain, Bronze Metal**

Plain, bronze metal..... Per dozen $6.50

One dozen in a box.

## Can Openers

Nos. 2, 991A, 6491.

No. **1** —SPRAGUE Can Openers, japanned handle ..... Per dozen $0.90
No. **2** —SPRAGUE Can Openers, wood handle ..... Per dozen 1.00
No. **991A**—SPRAGUE Pattern Can Openers ..... Per dozen 1.00
No. **6491**—SPRAGUE Pattern Can Openers, nickel-plated, stained wood handle..... Per dozen 1.65

One dozen in a box.

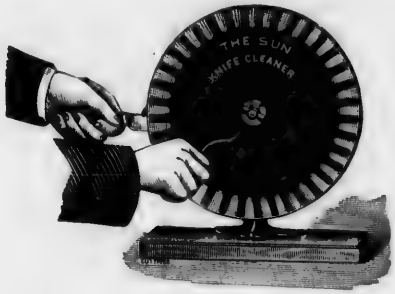
No. **5**—PEERLESS Can Openers, bronze lacquered handle..... Per dozen $1.05

One dozen in a box.

## Rodgers' Can Openers

No. **32290**—Wood handle ..... Per dozen $2.10
No. **32300**—Wood handle ..... Per dozen 1.50
No. **32302**—Wood handle ..... Per dozen 3.00

## SUN KNIFE CLEANER AND SHARPENING MACHINE




Each $

This machine combines simplicity with durability, polishing knives equal to new and at the same time sharpening them. It will not bend or break off the handle, a complaint universally made against other cleaners, a guard being provided to obviate this fault.

No exertion is required to turn the machine, and a dozen knives can be thoroughly prepared for the table in less than five minutes without noise or dirt.

DIRECTIONS.

Turn the handle with one hand, placing the point of the knife between the leathers, EDGE DOWN, BACK OF THE KNIFE under the guard, then pass the knife slowly through to the shoulder, withdrawing the same by turning the machine quickly and steadily.

The leathers of the machine are specially prepared and dressed with a composition, later a little OAKEY'S KNIFE POLISH should be dropped through the hole at the side.

The pressure should be regulated by the thumbscrew at the side. If taken apart, the plates must be replaced on axle so that the teeth of one plate will come between those of the other.

## Nut Cracks

Style of N6.

No. N2—Steel Nut Cracks, nickel-plated, plain handle ..... Per dozen $ 5.00
No. N6—Steel Nut Cracks, nickel-plated ..... Per dozen 6.75
No. 5—Steel Wire Nut Cracks, nickel-plated ..... Per dozen 6.50
No. 23—Steel Nut Cracks, silver-plated ..... Per dozen 12.75

Half dozen in a box.

## BUTTER SPADES

Saxton, Wood Trowel Handle

SAXTON, 6 inch, tinned steel blade, wood handle
Per dozen ..... $7.25

SAXTON, 6 inch, tinned steel blade, tinned malleable handle..... Per dozen 7.25

Straight Handle

No. **2107**—9 inch, tinned blade, straight cocobolo handle .....Per dozen 12 00

Half dozen in a box.

No. 3S Round.

## Tinned Cheese Knives

No. **203**—12 inch, tinned blades, cocobolo handles
Per dozen .....$12.00

Half dozen in a box.

## Meat Skewers

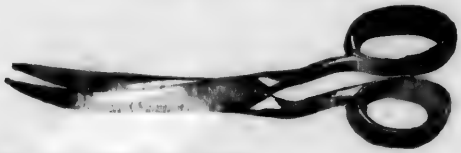
No. **3S**—Round, Tinned Steel Skewers, 4 to 8 inches
Per dozen sets .....$1.80

No. **6**—Square, Tinned Steel Skewers, 4 to 8 1-2 inches,
Per dozen sets ..... .90

One dozen sets in a package.

Cheese Knife.

## BENT HORSE CLIPPING SHEARS



No. 3152 X 7 1-2 Inches, Horse Clipping Shears, plain handle ..... Per dozen $12.00

## Cattle Marking Shears

No. 3297 X 6 1-4 Inches, Cattle Marking Shears ..... Per dozen $8.25

Half dozen in a box

## Horse Clippers

GENUINE NEWMARKET.

DANDY Horse Clippers, stained and varnished handles ..... Per pair $1.50
ECLIPSE Horse Clippers, stained and varnished handles ..... Per pair 1.65
FRENCH Horse Clippers, plain ..... Per pair 1.65
FRENCH Horse Clippers, nickel-plated ..... Per pair 1.90
No. 1418—Horse Clippers, Newmarket ..... Per pair 2.40
No. 1218—Horse Clippers, Newmarket ball bearing ..... Per pair 2.10
One pair in a package. ..... Per pair 2.40

Extra plates, top ..... Each $0.75
Extra plates, bottom ..... Each .95

## Horse Singeing Lamps

No. 1429.

Nos 118, 1428.

No. 1429—All Japanned, without cock ..... Each $1.20
No. 1428—Japanned Lamp and Handle, brass cock ..... Each 1.80
No. 118 —Japanned Lamp, brass handle and cock ..... Each 2.00

## Chamois Skins

No. A X 0 —Chamois Skins ..... Per dozen $ 6.75
No. A 0 —Chamois Skins ..... Per dozen 7.50
No. A 1 —Chamois Skins ..... Per dozen 9.75
No. A 2 —Chamois Skins ..... Per dozen 10.50
No. A 5 —Chamois Skins ..... Per dozen 12.75

## CUTLERY

We carry a large stock of CUTLERY of the following and other makes, which, owing to the many new patterns being constantly introduced, we are unable to fully illustrate. Complete line of samples will be carried by our travellers.

### George Wostenholm & Sons

I.XL Pen and Pocket Knives. True "Pipe" Razors
Carvers, Table and Dessert Knives.
Farriers' Knives. Hunting Knives.

### Joseph Rodgers & Sons

Pen and Pocket Knives.
Table and Dessert Knives and Forks.
Table and Dessert Knives.
Carvers.
Butcher Knives.
Butchers' Sticking Knives.
Butchers' Skinning Knives.
Bread Knives.
Farriers' Knives.
Fleams.
Razors.
Scissors.
Putty Knives.

### E. M. Dickinson

Pen and Pocket Knives. Table and Dessert Knives.
Ham Slicers, Carvers, Etc.

### John Askham & Sons

Pen and Pocket Knives. Table and Dessert Knives and Forks. Table and Dessert Knives.
Carvers.
"Wapacut" Butcher Knives and Steels.

### John Wilson

Butcher Knives. Butchers' Sticking Knives.
Butchers' Skinning Knives. Shoe Knives.

### W. & S. Butcher

Wade & Butcher's Razors.

### "HINDOO" Hollow Ground Razors

We are Sole Agents for this celebrated brand of razor.

### Henry Seymour Cutlery Co.

Straight and Bent Trimmers, Etc.

### R. Heinisch's Sons

Straight and Bent Trimmers. Barbers' Scissors. Tailors' Shears, Etc.

### Hatch Cutlery Co.

"Patent Bolt" Straight and Bent Trimmers. Pocket Scissors, Etc.
"Monarch" Brand Adjustable Lever Spring and Bolt Trimmers.

GERMAN Pen and Pocket Knives. Hollow Ground Razors.
Scissors, etc., of best makers.

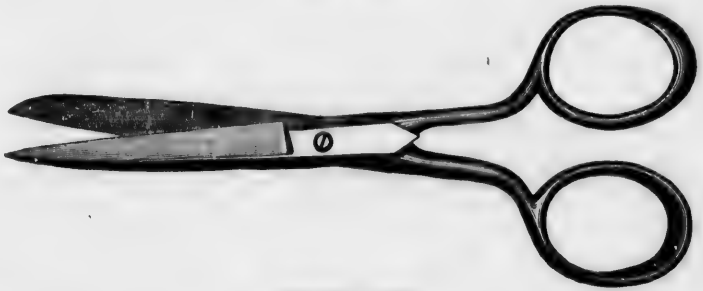
☞ George Wostenholm & Sons' celebrated I.XL brand of Pen and Pocket Knives have been sold in this market for many years and have proved their superiority IN QUALITY, STYLE AND FINISH. The large and increasing sale has induced makers of cheaper quality to imitate their patterns, and we can duplicate in nearly every line patterns similar to the I.XL brand illustrated in the following pages of cheaper grade and make.

## LACE OR EMBROIDERY SCISSORS

Style of 684 and 791.

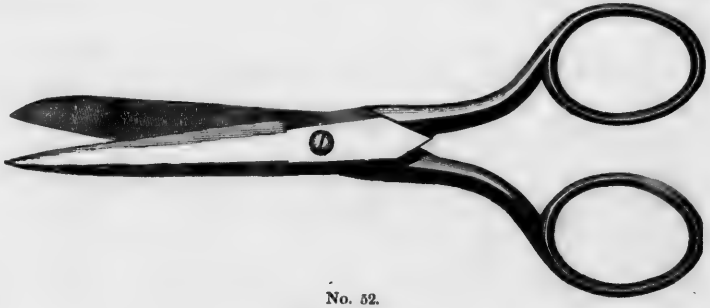
| | | |
|---|---|---|
| No. 816 1-2—3 | Inch Embroidery Scissors | Per dozen $1.65 |
| No. 454 | —3 1-2 Inch Embroidery Scissors | Per dozen 1.95 |
| No. 791 | —3 Inch Embroidery Scissors, gilt bows | Per dozen 2.75 |
| No. 791 | —3 1-2 Inch Embroidery Scissors, gilt bows | Per dozen 3.00 |
| No. 684 | —3 1-2 Inch Embroidery Scissors, nickel-plated | Per dozen 2.85 |

## Ladies' Scissors



PRICE PER DOZEN.

| Inches | 4 | 4 1-2 | 5 | 5 1-2 | 6 | 6 1-2 | 7 |
|---|---|---|---|---|---|---|---|
| No. 999—Painted Bows | $..... | 1.90 | 2.20 | 2.50 | 2.85 | 3.20 | 3.90 |
| No. 896—Bright Bows | ..... | 2.40 | 2.65 | 2.85 | 3.20 | 3.60 | 4.00 |
| No. 949—Nickelled Bows | ..... | 2.80 | 3.00 | 3.25 | 3.50 | 3.90 | 4.40 |
| No. 948—Gilt Bows | 3.25 | 3.25 | 3.30 | 3.75 | 4.00 | 4.40 | 5.50 |



No. 52.

PRICE PER DOZEN.

| Inches | 4 1-2 | 5 | 5 1-2 | 6 |
|---|---|---|---|---|
| No. 51—Fancy Bows | $7.50 | 8.25 | 9.00 | |
| No. 52 | .... | 9.00 | 9.90 | 10.50 |

Half dozen in a box.

## POCKET SCISSORS

No. 364.

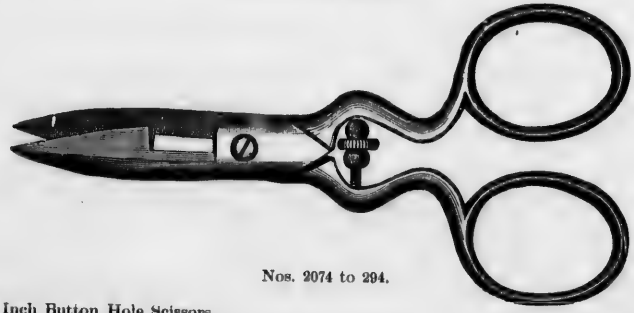
| | | | |
|---|---|---|---|
| No. **781**—4 | Inch Pocket Scissors | Per dozen | $2.25 |
| No. **549**—4 | Inch Pocket Scissors | Per dozen | 2.75 |
| No. **685**—3 1-2 | Inch Pocket Scissors | Per dozen | 3.00 |
| No. **685**—4 | Inch Pocket Scissors | Per dozen | 3.25 |
| No. **785**—4 | Inch Pocket Scissors, gilt bows | Per dozen | 3.30 |
| No. **364**—4 | Inch Pocket Scissors, nickel-plated | Per dozen | 4.00 |
| No. **8003**—4 1-4 | Inch Pocket Scissors | Per dozen | 5.75 |

## Bent Nail Scissors

No. 570.

| | | | |
|---|---|---|---|
| No. **570**—3 1-2 | Inch Bent Nail Scissors | Per dozen | $4.50 |
| No. **6900**—4 | Inch Bent Nail Scissors | Per dozen | 4.50 |
| No. **079**—4 | Inch Bent Nail Scissors | Per dozen | 6.50 |
| No. **6850**—4 | Inch Manicure or Surgeons' Scissors | Per dozen | 5.75 |

## Button Hole Scissors



Nos. 2074 to 294.

| | | | |
|---|---|---|---|
| No. **2074**—4 1-2 | Inch Button Hole Scissors | Per dozen | $2 40 |
| No. **922**—4 1-2 | Inch Button Hole Scissors | Per dozen | 3.50 |
| No. **20505**—4 1-2 | Inch Button Hole Scissors | Per dozen | 3.75 |
| No. **294**—4 1-2 | Inch Button Hole Scissors, nickel-plated | Per dozen | 4.75 |
| No. **688**—5 1-2 | Inch Button Hole Scissors (with slide gauge) | Per dozen | 7.50 |

Half dozen in a box.

## POCKET SCISSORS

With Hatch Patent Bolt and Washer.

No. 66.—Full Nickel-Plated

| Inches | 4 1-2 | .... | 5 |
|---|---|---|---|
| Per dozen | $8.50 | .... | 9.00 |

## Straight Trimmers

No Joints.

With Hatch Patent Bolt and Washer.

Japanned, Glazed Blades

| Inches | 6 | 6 1-2 | 7 | 7 1-2 | 8 | 8 1-2 | 9 |
|---|---|---|---|---|---|---|---|
| Per dozen | $12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 |

No. 15.—Full Nickel-Plated

| Inches | 6 | 6 1-2 | 7 | 7 1-2 | 8 | 8 1-2 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 | 25.00 |

## Bent Trimmers

With Hatch Patent Bolt and Washer.

No. 33.—Full Nickel-Plated

| Inches | 8 | 9 | 10 | 12 |
|---|---|---|---|---|
| Per dozen | $17.00 | 22.00 | 27.00 | 33.00 |

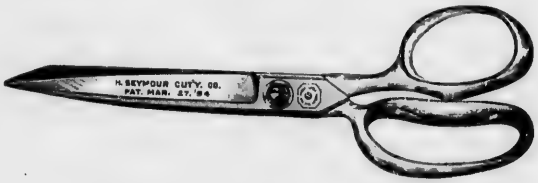
Half dozen in a box.

## HENRY SEYMOUR CUTLERY CO.'S TRIMMERS

WITH TENSION, STEEL DISC SPRING, SCREW AND LOCK NUT.

The hollow depression on top of blade receives the steel disc spring, a bolt with screw thread runs through this into a threaded hole in lower blade where it is doubly secured by a six-sided lock nut.

### Straight Trimmers

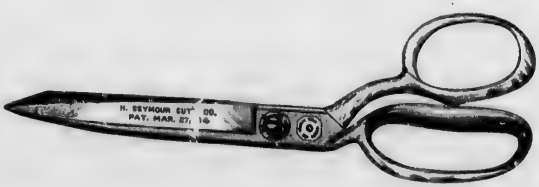



**Maroon Japanned Handles, Nickel-Plated Blades**

| Inches | 6 | 6 1-2 | 7 | 7 1-2 | 8 | 8 1-2 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 | 25.00 |

Half dozen in a box.

### Bent Trimmers




**Maroon Japanned Handles, Nickel-Plated Blades**

| Inches | 7 | 8 | 8 1-2 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $15.00 | 17.00 | 20.00 | 22.00 | 27.00 | 30.00 | 33.00 | 36.00 |

Half dozen in a box.

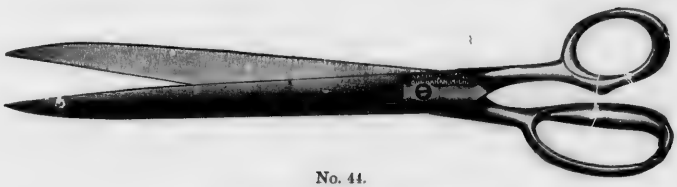
## STRAIGHT TRIMMERS

HEINISCH'S PATTERN.

Black Japanned Handles

| Inches | 6 | 6 1-2 | 7 | 7 1-2 | 8 | 8 1-2 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| Per dozen | $12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 | 25.00 |

## Bankers' or Paper Hangers' Shears



No. 44.

With Hatch Patent Bolt and Washer.

| Inches | | 12 | | 14 |
|---|---|---|---|---|
| Per dozen | | $19.50 | | 25.50 |

## Tailors' Shears

HEINISCH'S PATTERN.

Japanned Handles

| Nos. | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| Full length, inches | 12 | 12 3-4 | 13 | 13 3-4 | 14 | 14 1-4 | 14 3-4 | 15 1-4 | 15 3-4 | 16 1-4 |
| Per pair | $5.25 | 7.50 | 11.50 | 12.50 | 14.00 | 16.50 | 17.50 | 18.50 | 19.50 | 21.00 |

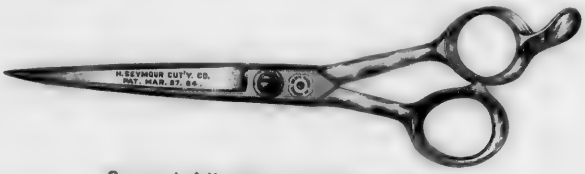
One pair in a box.

## BARBERS' SHEARS

LIPPED.

| | | | | |
|---|---|---|---|---|
| Heinisch's Japanned, inches | 7 1-2 | 8 1-2 | 9 | 9 1-2 |
| Per dozen | $9.00 | 10.50 | 11.00 | 12.50 |
| Heinisch's Nickel-plated, inches | .... | 8 1-2 | .... | 9 |
| Per dozen | .... | $15.00 | .... | 18.00 |

9 inch, left hand, japanned handle ..... Per dozen $18.00

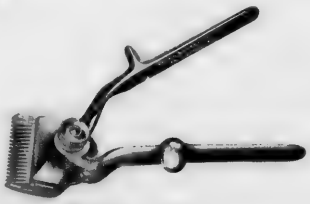



Seymour's Adjustable Lever Spring and Bolt

Seymour's Japanned Handle, Nickelled Blades, 8 1-2 inches ..... Per dozen $20.25

## Hair Clippers

FRENCH.



Nos. 1661 and 1661 1-2.

French Hair Clippers, plain ..... Per pair $1.80
French Hair Clippers, nickel-plated ..... Per pair 2.20
No. **1661**—Brown & Sharpe's Pattern, nickel-plated ..... Per pair 2.80
No. **1661 1-2**—Brown & Sharpe's Pattern, nickel-plated, with two extra cutters ..... Per pair 3.75

Extra Springs.

Springs for French Hair Clippers ..... Per pair .40

Brown & Sharpe's Genuine Improved

| | | | | |
|---|---|---|---|---|
| Nos. | 0 | 1 | 2 |
| To cut hair | Very Short. | 1-8 inch. | 1-4 inch. |
| Each | $5.00 | 5.00 | 5.50 |
| Extra Springs | | | $1.20 |

## POCKET KNIVES

No. 0221

No. 0220

No. 0168

No. 5906

### Style of No. 0221

No. **0175**—1 Blade, Rosewood Handle, 3 1-4 inches.... Per dozen $1.20
No. **0154**—1 Blade, Rosewood Handle, 3 1-4 inches.... Per dozen 1.35
No. **0199**—1 Blade, Rosewood Handle, 3 1-2 inches.... Per dozen 2.10
No. **0201**—2 Blades, Rosewood Handle, 3 1-4 inches.... Per dozen 1.65
No. **0221**—2 Blades, Rosewood Handle, 3 1-2 inches.... Per dozen 2.50

### Style of No. 0220

No. **0174**—1 Blade, Ebony Handle, 3 1-4 inches.... Per dozen $1.20
No. **0153**—1 Blade, Ebony Handle, 3 1-4 inches.... Per dozen 1.35
No. **0198**—1 Blade, Ebony Handle, 3 1-2 inches.... Per dozen 2.10
No. **0202**—2 Blades, Ebony Handle, 3 1-4 inches.... Per dozen 1.65
No. **0220**—2 Blades, Ebony Handle, 3 1-2 inches.... Per dozen 2.50
No. **0156**—1 Blade, White Bone Handle, 3 1-4 inches.... Per dozen 1.30
No. **0155**—1 Blade, White Bone Handle, 3 1-4 inches.... Per dozen 1.35
No. **0164**—2 Blades, White Bone Handle, 3 1-4 inches.... Per dozen 1.75
No. **0222**—2 Blades, White Bone Handle, 3 1-2 inches.... Per dozen 2.60

### Style of No. 0168

No. **0168**—2 Blades, Ebony Handle, 3 1-4 inches.... Per dozen $1.75
No. **0169**—2 Blades, Rosewood Handle, 3 1-4 inches.... Per dozen 1.75
No. **0106**—2 Blades, Grey Buff Handle, 3 1-2 inches.... Per dozen 3.75

### Style of No. 5906

No. **5906**—2 Blades, Ebony Handle, 4 inches.... Per dozen 5.00
No. **0157**—2 Blades, Grey Buff Handle, 4 1-4 inches.... Per dozen 7.50

## POCKET KNIVES

No. 0218.

**No. 5581 1-4**—2 Blades, Rosewood Handle, 3 1-4 inches ..... Per dozen $2.25
**No. 5581** —2 Blades, Ebony Handle, 3 1-4 inches ..... Per dozen 2.25
**No. 0218** —2 Blades, Rosewood Handle, 3 1-2 inches ..... Per dozen 3.00
**No. 0217** —2 Blades, Ebony Handle, 3 1-2 inches ..... Per dozen 3.00
**No. 0219** —2 Blades, White Bone Handle, 3 1-2 inches ..... Per dozen 3.00
**No. 5583 1-4**—2 Blades, Rosewood Handle, 3 3-4 inches ..... Per dozen 3.25
**No. 5583** —2 Blades, Ebony Handle, 3 3-4 inches ..... Per dozen 2.75
**No. 5583 1-2**—2 Blades, White Bone Handle, 3 3-4 inches ..... Per dozen 2.75
**No. 0137** —2 Blades, Grey Buff Handle, 3 3-4 inches ..... Per dozen 3.00
**No. 0138** —2 Blades, White Bone Handle, 3 3-4 inches ..... Per dozen 5.00

No. 0131.

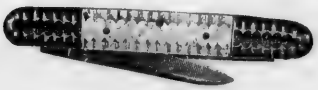
**No. 0131**—2 Blades, Ebony Handle, 3 1-2 inches ..... Per dozen $2.80
**No. 0130**—2 Blades, Rosewood Handle, 3 1-2 inches ..... Per dozen 2.80
**No. 4617**—2 Blades, Grey Buff Handle, 3 1-2 inches ..... Per dozen 4.00
**No. 0132**—2 Blades, Ebony Handle, 3 3-4 inches, Sheepfoot Blade ..... Per dozen 3.00
**No. 5248**—2 Blades, Rosewood Handle, 4 inches ..... Per dozen 4.50

**No. 0200**—3 Blades, Stag Handle, 3 1-2 inches, etched on Blade "Cattle Knife" ..... Per dozen $7.50

No. 9200.

**No. 9200** —German Silver Handle, 3 1-4 inches, Sharp Screw ..... Per dozen $8.75
**No. 0126** —German Silver Handle, 3 1-4 inches, with Shackle, Round Screw ..... Per dozen 9.00
**No. 5846 I**—Ivory Handle, as I.XL No. 900, page 879 ..... Per dozen 9.50
**No. 5846 P**—Pearl Handle, as I.XL No. 900, page 879 ..... Per dozen 13.50
..... Per dozen 17.50

## POCKET KNIVES



No. 0177.

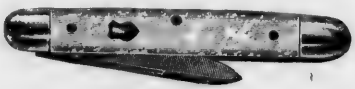
No. 0184.

### Style of 0177

No. **0177**—2 Blades, Pearl Handle 2 1-2 inches.....Per dozen $3.00
No. **0383**—2 Blades, Pearl Handle, 2 3-4 inches.....Per dozen 3.40
No. **0179**—2 Blades, Plain Pearl Handle, Fancy Bolster, 3 inches.....Per dozen 3.00
No. **5908**—2 Blades, Pearl Handle, 3 inches.....Per dozen 4.50

### Style of 0184

No. **0184**—2 Blades, Pearl Handle, 2 1-2 inches.....Per dozen $2.80
No. **0185**—2 Blades, Buff Handle, 2 1-2 inches.....Per dozen 2.55
No. **0186**—2 Blades, Ivory Handle, 2 1-2 inches.....Per dozen 2.35



No. 991.

No. **991**—2 Blades, Pearl Handle, 2 1-2 inches.....Per dozen $3.75
No. **6253**—2 Blades, Pearl Handle, 2 3-4 inches.....Per dozen 3.00

No. 5287x3 inches.

No. **5287**—3 Blades, Ebony Handle, 3 1-2 inches.....Per dozen $4.50
No. **5166**—3 Blades, Grey Buff Handle, 3 1-2 inches.....Per dozen 6.00

No. 0141x3 inches.

No. **0141**—2 Blades, Grey Buff Handle, 3 1-2 inches.....Per dozen $
No. **0142**—2 Blades, Ivory Handle, 3 1-2 inches.....Per dozen

No. 5510.

No. **0100**—3 Blades, Pearl Handle, 3 inches.....Per dozen $ 4.50
No. **8510**—3 Blades, Pearl Handle, 3 inches.....Per dozen 8.25
No. **0000**—4 Blades, Pearl Handle, 3 inches.....Per dozen 11.25

## POCKET KNIVES

No. 0117.

No. **0117**—2 Blades, Celluloid Handle, 2 1-2 inches ..... Per dozen $1.95
No. **0223**—2 Blades, German Silver Handle, 2 1-2 inches ..... Per dozen 1.65
No. **01176**—1 Blade, Celluloid Handle (marked School Knife), 2 1-2 inches ..... Per dozen 1.50

No. 6249.

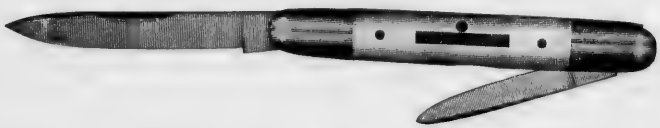
No. **6249**—2 Blades, Celluloid Handle, 2 3-4 inches ..... Per dozen $3.00
No. **7930**—2 Blades, Ivory Handle, 2 3-4 inches ..... Per dozen 5.25

No. 0191.

No. **0191**—2 Blades, Pearl Handle, 2 1-2 inches ..... Per dozen $4.50

No. 4507.

No. **4507**—2 Blades, Buff Handle, 2 3-4 inches ..... Per dozen $3.50
No. **7928**—2 Blades, Celluloid Handle, 2 3-4 inches ..... Per dozen 3.60



No. 0120.

No. **0561**—2 Blades, Buff Handle, 2 3-4 inches ..... Per dozen $4.25
No. **0120**—2 Blades, Ivory Handle, 2 3-4 inches ..... Per dozen 5.00
No. **0559**—2 Blades, Pearl Handle, 2 3-4 inches ..... Per dozen 6.00
No. **0203**—2 Blades, Grey Buff Handle (without name plate), 3 inches ..... Per dozen 3.75
No. **0204**—2 Blades, Ivory Handle (without name plate), 3 inches ..... Per dozen 3.75
No. **5340**—2 Blades, Pearl Handle (without name plate), 3 inches ..... Per dozen 4.50

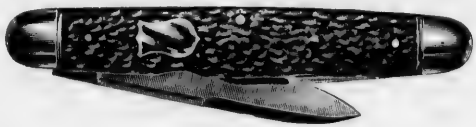
No. 0188.

No. **17730**—3 Blades, Pearl Handle, 3 1-4 inches ..... Per dozen $4.50
No. **0188**—4 Blades, Ivory Handle, 3 1-2 inches ..... Per dozen 3.30
No. **0197**—4 Blades, Stag Handle, 3 1-2 inches ..... Per dozen 3.30

## POCKET KNIVES

No. 0904.

No. **0904**—2 Blades, Stag Handle, 3 1-4 inches.....Per dozen $3.60
No. **0901**—2 Blades, Grey Buff Handle, 3 1-4 inches.....Per dozen 3.40
No. **0902**—2 Blades, Celluloid Handle, 3 1-4 inches.....Per dozen 3.40

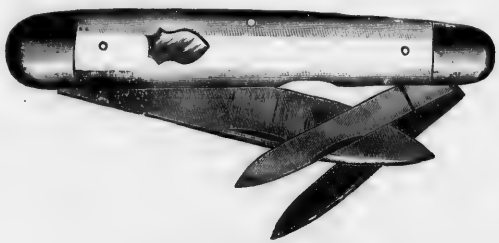


No. 7580.

No. **7580**—2 Blades, Stag Handle, 3 1-4 inches.....Per dozen $4.50
No. **7600**—2 Blades, Grey Buff Handle, 3 1-4 inches.....Per dozen 4.50
No. **7590**—2 Blades, Ivory Handle, 3 1-4 inches.....Per dozen 4.50

No. 0360.

No. **0360**—3 Blades, Pearl Handle, 3 1-2 inches.....Per dozen $9.00
No. **0189**—4 Blades, Buff Handle, 3 1-2 inches.....Per dozen 3.75
No. **0190**—4 Blades, Stag Handle, 3 1-2 inches.....Per dozen 3.75



No. 17816

No. **17816** —3 Blades, Ivory Handle, 3 3-4 inches.....Per dozen $5.75
No. **17773** —3 Blades, Stag Handle, 3 3-4 inches.....Per dozen 5.25
No. **17307 1-2**—3 Blades, Grey Buff Handle, 3 3-4 inches.....Per dozen 6.00
No. **0181** —3 Blades, Ebony Handle, 4 1-2 inches.....Per dozen 9.00

## GEORGE WOSTENHOLM & SON'S
## I.XL
## POCKET KNIVES

Full size cuts.

For prices, etc., see page 882.

700

701
Stag 706

702
Sheep foot 715

703

709

708
Black } 704
Buff }
Two Blade, Black, with Shield } 758

711
Grey Buff 712
3-in. Black 710

## GEORGE WOSTENHOLM & SON'S
## I. XL
## POCKET KNIVES

Full size cuts.

For prices, etc., see page 882.

707 Black / Buff } 705

750

751

752 Stag 763 Sheep foot blade 775

753

771

772 Grey / Buff } 773

765 Bone 754 Black / Buff } 755

## GEORGE WOSTENHOLM & SON'S

## I.XL

## POCKET KNI[illegible]

Full size [illegible]

For prices, etc., see [illegible] 882

765
Bone 754
Black } 755
Buff }

756

766

767
Buff 770

774
1 Blade 714

764
Black }
Buff } 760
Bone 762

768
Black }
Buff... } 757

759

## GEORGE WOSTENHOLM & SON'S

## I. XL

## POCKET AND BUDDING KNIVES

Full size cuts.

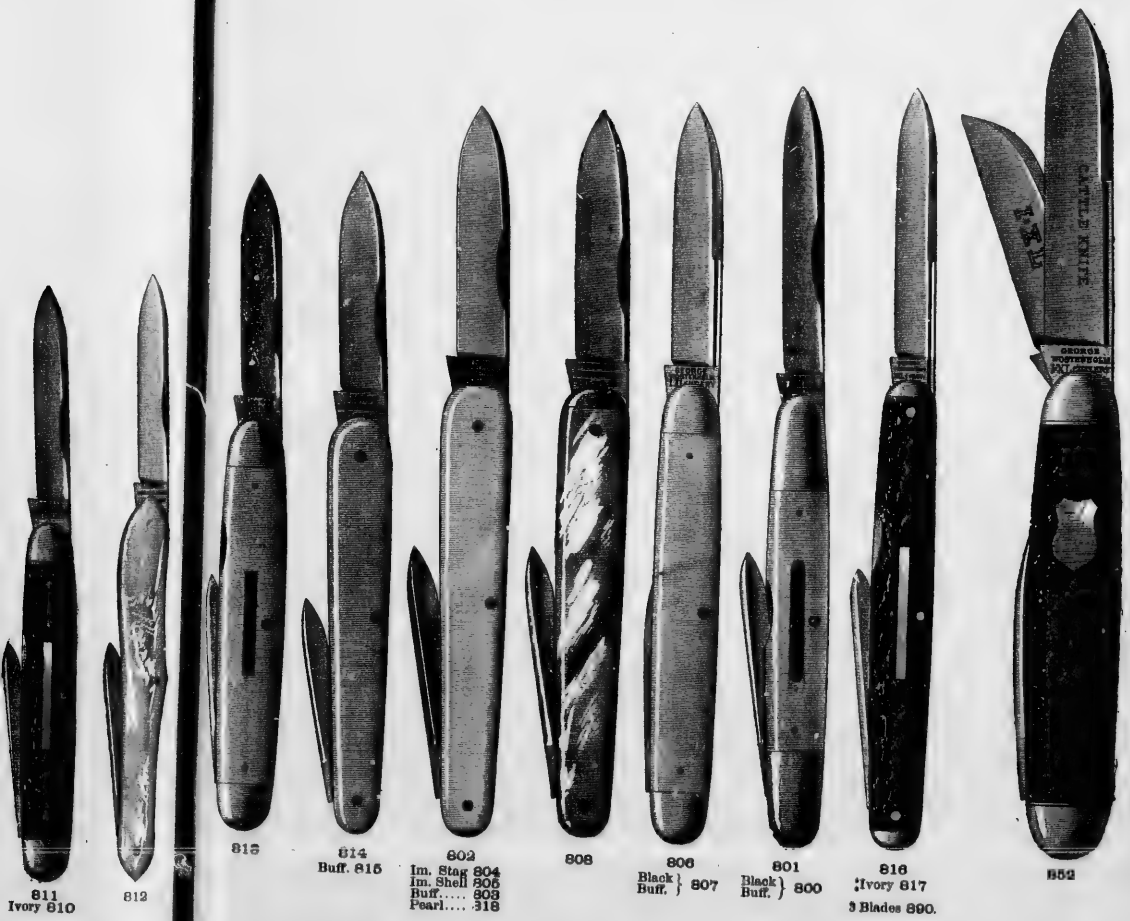
For prices, etc., see page 882.

769 761 931 910 809 897 811 Ivory 810 812 813

# GEORGE WOSTENHOLM & SON'S
# I.XL
# POCKET KNIVES

Full size cuts.

For prices, etc., see pages 882 and 883.




811
Ivory 810

812

813

814
Buff. 815

802
Im. Stag 804
Im. Shell 805
Buff..... 809
Pearl.... 318

808

806
Black } 807
Buff. }

801
Black } 800
Buff. }

816
Ivory 817
3 Blades 890.

852

## GEORGE WOSTENHOLM & SON'S

## I. XL

## POCKET KNIVES

**Full size cuts.**

**For prices, etc., see page 883.**

889 | 898 | 853 | 855 Ivory 854 | 859 | 857 Ivory 860 | 858 | 951

## GEORGE WOSTENHOLM & SON'S

## I.XL

## POCKET KNIVES

Full size cuts.

For prices, etc., see page 883.

856 882 881 Stag 901 Pearl 900 902

## GEORGE WOSTENHOLM & SON'S

## I.XL

## POCKET KNIVES

Full size cuts.

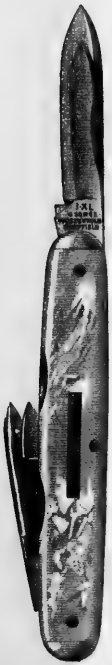
For prices, etc., see page 883.

888 885 885 Pearl 891 888 884 899 893 Stag 892 894

## GEORGE WOSTENHOLM & SON'S
## I.XL
## OFFICE AND POCKET KNIVES

Full size cuts.

For prices, etc., see page 883.




894

888
Stag 898

887

895

932
Bone 933

930

935

## I. XL CUTLERY

### Page 873

| | | |
|---|---|---|
| No. **700**—1 Blade, Iron Handle, Iron Lined, Glazed Blade | Per dozen | $ 2.60 |
| No. **701**—1 Blade, Buff Handle, Iron Lined, Glazed Blade | Per dozen | 3.00 |
| No. **702**—1 Blade, Buff Handle, Iron Lined, Glazed Blade | Per dozen | 3.35 |
| No. **703**—1 Blade, Buff Handle, Iron Lined, Glazed Blade | Per dozen | 3.90 |
| No. **704**—1 Blade, Black Buff Handle, G. S. Bolster, Iron Lined, Glazed Blade | Per dozen | 4.00 |
| No. **706**—1 Blade, Stag Handle, Iron Lined, Glazed Blade | Per dozen | 3.75 |
| No. **708**—1 Blade, Cocoa Handle, G. S. Bolster, Iron Lined, Glazed Blade | Per dozen | 4.00 |
| No. **709**—1 Blade, Buff Handle, Iron Lined, Glazed Blade | Per dozen | 4.30 |
| No. **710**—1 Blade, 3 Inch, Black Buff Handle, Brass Lined, Glazed Blade | Per dozen | 3.60 |
| No. **711**—1 Blade, 3 1-4 Inch, Black Buff Handle, Brass Lined, Glazed Blade | Per dozen | 3.60 |
| No. **712**—1 Blade, 3 1-4 Inch, Grey Buff Handle, Brass Lined, Glazed Blad | Per dozen | 3.60 |
| No. **715**—1 Blade, Buff Handle, Iron Lined, Glazed (Sheepfoot) Blade | Per dozen | 3.40 |
| No. **758**—2 Blades, Buff Handle with Shield, G. S. Bolster, Iron Lined, Glazed Blades | Per dozen | 7.10 |

### Page 874

| | | |
|---|---|---|
| No. **705**—1 Blade, Black Buff Handle, G. S. Bolster, Iron Lined, Glazed Blade | Per dozen | 5.60 |
| No. **750**—2 Blades, Iron Handle, Iron Lined, Glazed Blades | Per dozen | 4.10 |
| No. **751**—2 Blades, Black Buff Handle, Iron Lined. Glazed Blades | Per dozen | 4.60 |
| No. **752**—2 Blades, Black Buff Handle, Iron Lined, Glazed Blades | Per dozen | 5.00 |
| No. **753**—2 Blades, Black Buff Handle, Iron Lined, Glazed Blades | Per dozen | 5.60 |
| No. **754**—2 Blades, White Bone Handle, Brass Lined, Glazed Blades | Per dozen | 5.50 |
| No. **755**—2 Blades, Black Buff Handle, Brass Lined, Glazed Blades | Per dozen | 5.50 |
| No. **763**—2 Blades, Stag Handle, Iron Lined, Glazed Blades | Per dozen | 5.40 |
| No. **765**—2 Blades, Cocoa Handle, Brass Lined, Glazed Blades | Per dozen | 5.50 |
| No. **771**—2 Blades, Buff Handle, Iron Lined, Glazed Blades | Per dozen | 4.75 |
| No. **772**—2 Blades, Black Buff Handle, Iron Lined, Glazed Blades | Per dozen | 4.80 |
| No. **773**—2 Blades, Grey Buff Handle, Iron Lined, Glazed Blades | Per dozen | 4.80 |
| No. **775**—2 Blades, Black Buff Handle, Iron Lined, Glazed (Sheepfoot) Blade | Per dozen | 5.00 |

### Page 875

| | | |
|---|---|---|
| No. **714**—1 Blade, Black Buff Handle, G. S. Bolster, Iron Lined, Glazed Blade | Per dozen | 5.35 |
| No. **756**—2 Blades, Black Buff Handle, Brass Lined, Glazed Blades | Per dozen | 6.40 |
| No. **757**—2 Blades, Black Buff Handle, Brass Lined, Polished Blades | Per dozen | 7.30 |
| No. **759**—2 Blades, Polished Buff Handle, G. S. Cap, Iron Lined, Glazed Blades | Per dozen | 8.00 |
| No. **760**—2 Blades, Black Buff Handle, G. S. Bolster, Iron Lined, Glazed Blades | Per dozen | 7.50 |
| No. **762**—2 Blades, White Bone Handle, G. S. Bolster, Iron Lined, Glazed Blades | Per dozen | 7.50 |
| No. **764**—2 Blades, Cocoa Handle, G. S. Bolster, Iron Lined, Glazed Blades | Per dozen | 7.50 |
| No. **766**—2 Blades, Cocoa Handle, Brass Lined, Glazed Blades | Per dozen | 6.75 |
| No. **767**—2 Blades, White Bone Handle, Iron Lined, Glazed Blades | Per dozen | 6.75 |
| No. **768**—2 Blades, Cocoa Handle, Brass Lined, Polished Blades | Per dozen | 7.75 |
| No. **770**—2 Blades, Buff Handle, Iron Lined, Glazed Blades | Per dozen | 6.75 |
| No. **774**—2 Blades, Black Buff Handle, G. S. Bolster, Iron Lined, Glazed Blades | Per dozen | 7.50 |

### Page 876

| | | |
|---|---|---|
| No. **761**—2 Blades, Stag Handle, Iron Lined, Glazed Blades | Per dozen | 5.90 |
| No. **769**—2 Blades, Grey Buff Handle, Thick Spring, Brass Lined, Polished Blades | Per dozen | 8.15 |
| No. **809**—2 Blades, Pearl Handle, Brass Lined, Polished Blades | Per dozen | 5.80 |
| No. **810**—2 Blades, Ivory Handle, Brass Lined, Polished Blades | Per dozen | 8.35 |
| No. **811**—2 Blades, Stag Handle, Brass Lined, Polished Blades | Per dozen | 8.35 |
| No. **812**—2 Blades, Pearl Handle, Brass Lined, Polished Blades | Per dozen | 10.75 |
| No. **897**—2 Blades, Pearl Handle, Brass Lined, Polished Blades | Per dozen | 7.25 |
| No. **910**—1 Blade, Budding, Black Buff Handle, Glazed Blade | Per dozen | 5.75 |
| No. **931**—1 Blade, Budding, Ivory Handle, Glazed Blade | Per dozen | 7.25 |

## I.XL CUTLERY

### Page 877

No. **800**—2 Blades, Black Buff Handle, Brass Lined, Polished Blades ..... Per dozen $ 9 60
No. **801**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 10.00
No. **802**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 4.40
No. **803**—2 Blades, Buff Handle, Brass Lined, Polished Blades ..... Per dozen 4.40
No. **804** 2 Blades, Im. Stag Handle, Brass Lined, Polished Blades ..... Per dozen 4.40
No. **805**—2 Blades, Im. Shell Handle, Brass Lined, Polished Blades ..... Per dozen 4.60
No. **806**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 6.90
No. **807**—2 Blades, Black Buff Handle, Brass Lined, Polished Blades ..... Per dozen 6.75
No. **808**—2 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 9.50
No. **813**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 9.00
No. **814**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 4.30
No. **815**—2 Blades, Buff Handle, Brass Lined, Polished Blades ..... Per dozen 4.30
No. **816**—2 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 9.50
No. **817**—2 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 9.50
No. **818**—2 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 7.50
No. **852**—3 Blades, Pat. Stag Handle, Iron Lined, Glazed Blades ..... Per dozen 10.50
No. **890**—3 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 13.50

### Page 878

No. **850**—3 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 13.00
No. **851**—3 Blades, Ivory Handle, Brass Lined, Glazed Blades ..... Per dozen 13.00
No. **853**—3 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 8.25
No. **854**—3 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 9.25
No. **855**—3 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 11.75
No **857**—3 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 13.00
No. **858**—3 Blades, Black Buff Handle, Brass Lined, Glazed Blades ..... Per dozen 10.50
No. **859**—3 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 21.50
No. **889**—3 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 16.00
No. **898**—3 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 19.75

### Page 879

No. **856**—3 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 16.75
No. **881**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 21.50
No. **882**—4 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 13.50
No. **900**—Sportsman's Knife, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 24.00
No. **901**—Sportsman's Knife, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 21.50
No. **902**—Sportsman's Knife, Stag Handle, Iron Lined, Glazed Blades ..... Per dozen 14.00

### Page 880

No. **880**—4 Blades, Ivory Handle, Brass Lined, Polished Blades ..... Per dozen 12.80
No. **883**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 16.00
No. **884**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 15.00
No. **885**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 16.50
No. **888**—2 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 10.75
No. **891**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 16.00
No. **892**—4 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 13.50
No. **893**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 16.50
No. **894**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 18.25
No. **899**—4 Blades, Stag Handle, Brass Lined, Polished Blades ..... Per dozen 11.00

### Page 881

No. **886**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 14.75
No. **887**—4 Blades, Pearl Handle, Brass Lined, Polished Blades ..... Per dozen 20.50
No. **895**—4 Blades, Stag Handle, Brass Lined, Glazed Blades ..... Per dozen 11.00
No. **896**—4 Blades, Stag Handle, Brass Lined, Glazed Blades ..... Per dozen 10.50
No. **930**—Office Knives, Polished White Bone Handle ..... Per dozen 4.50
No. **932**—Office Knives, Cocoa Handle ..... Per dozen 2.40
No. **933**—Office Knives, White Bone Handle ..... Per dozen 2.80
No. **935**—Office Knives, Polished Cocoa Handle ..... Per dozen 3.50

504
But ⅛ in

526
Etched in
Gold.

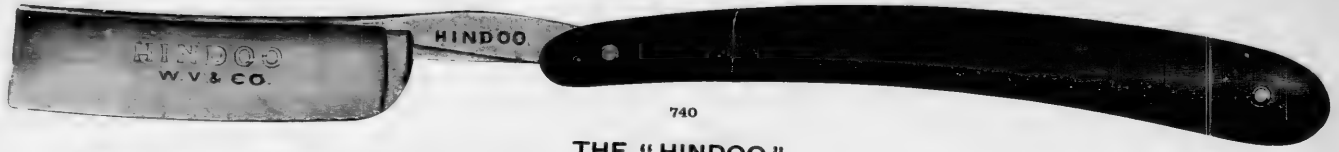
515
Etched Blue
and White.

508
⅞ in. 509

523
¼ in. 522
⅜ in. 524
⅛ in. 525

536
½ in. 501
Etched in
Gold.

For prices, etc., see page 897.




740

## THE "HINDOO"

Made from superior quality steel, great care being exercised in grinding and tempering. In the manufacture of this Razor no expense has been spared to produce a serviceable article.

Double concaved and with fine cutting edge, without any useless outlay for show. For use the "Hindoo" has no superior.

THE ORIGINAL AND ONLY GENUINE PIPE RAZOR
MANUFACTURED SOLELY BY
GEO. WOSTENHOLM & SON
GEORGE WOSTENHOLM & SONS
CORPORATE MARK
ESTABLISHED A.D. 1684
GENUINE PIPE RAZOR
The Extra Hollow Ground Pipe Razor

533

For prices, etc., see page 897.

539

519
Nickel & Gold

511
⅝ in. 512

536
⅝ in. 501
Nickel in Gold.

## RAZOR STROPS

No. C —13 1-2 inch, Emerson's Genuine, one side oval ..... Per dozen $3.60
No. XCD—13 1-2 inch, Imitation Emerson ..... Per dozen 1.95

No. 22C—13 1-2 inch, Cushion Belt, Imitation Morocco Case ..... Per dozen $5.40
No. 94 —13 1-2 inch, Elastic, Fine Leather Finish ..... Per dozen 8.25

No. 250.

No. 23C—13 1-2 inch, Cushion Belt, Imitation Morocco Case ..... Per dozen $6.50
No. 230—13 1-2 inch, Cushion Belt, Imitation Morocco Case, Fine Leather Finish ..... Per dozen 8.25

No. 40—13 1-2 inch, Flannel Cushioned, with Drawer for Razor ..... Per dozen $6.75

No. 6PC—14 inch, German Belt, with Hone ..... Per dozen $6.75

### Wade & Butcher's Strops

No. 3538—Sheffield, Fine Leather ..... Per dozen $5.00
No. 3562—Quadruple, 4 sides, with Hone ..... Per dozen 6.75
No. 3543—Dominion, Elastic Fine Leather, Cushioned ..... Per dozen 9.75

Half dozen in a box or package.

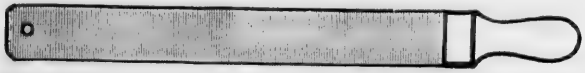
## RAZOR STROPS

No. **10**—13 1-2 inch, Finest Selected Leather, Curved Metal Ends, Patent Handle..... Per dozen $6.75

No. **3**—13 1-2 inch, Currier's Combination, Heavy Leather..... Per dozen $4.50

No. **88**—14 inch, Four-Side Cushion Combi. ation, with 1 1-2 inch Nickel Ferrule..... Per dozen $7.50

No. **255**—13 inch, Fine Double Padded Cushion, Extra Heavy Nickel Wire Frame..... Per dozen $7.50

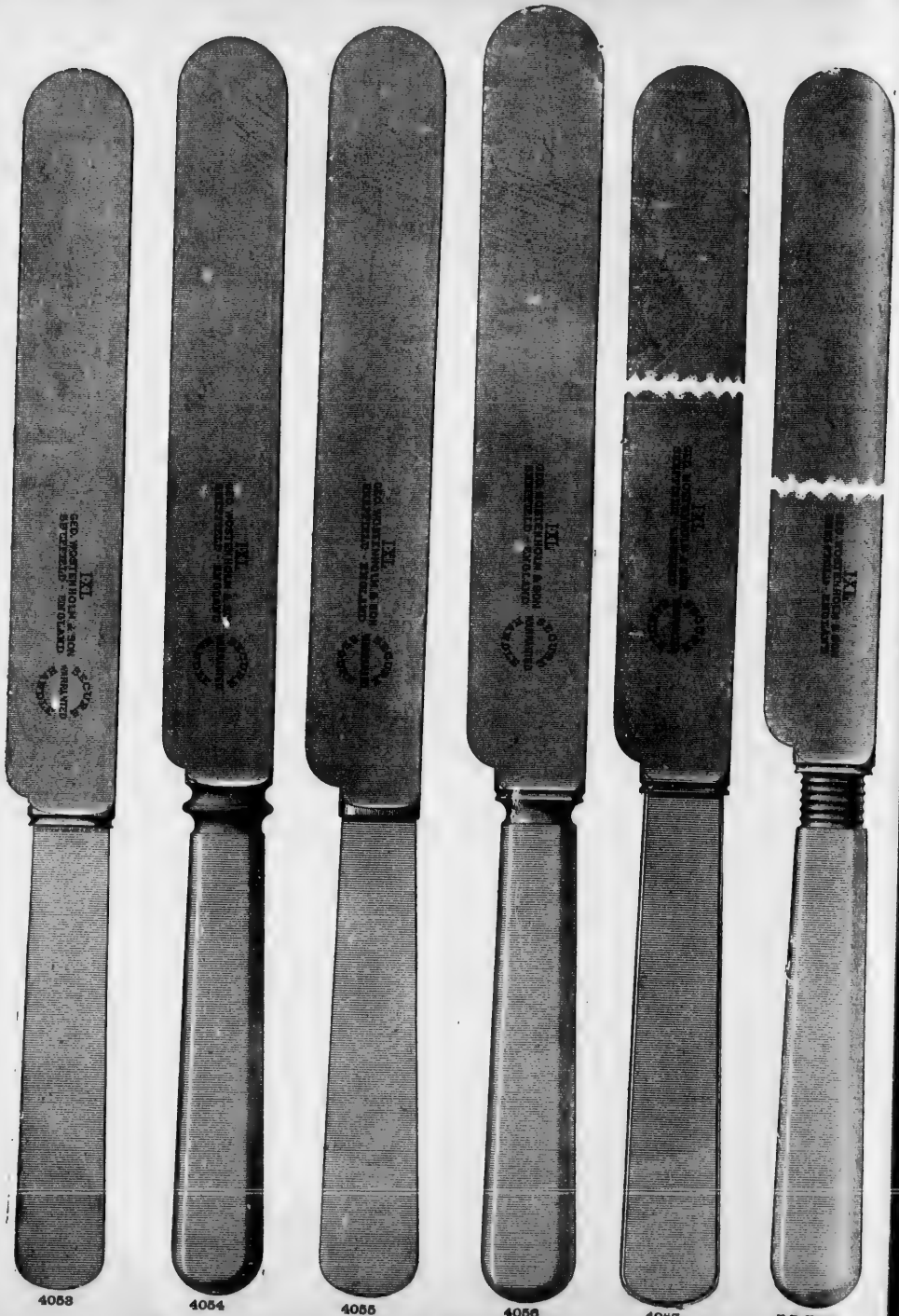


Barber's Single Swing Strop, Black or Russet..... Per dozen $2.75

Barber's Double Swing Strop..... Per dozen $5.00

## Horse Tail Strops

No. **310**—17 inch es, long, 2 inches wide, extra heavy..... Per dozen $4.00
No. **340**—25 1-2 inches long, 2 inches wide, extra heavy, nickel swivel..... Per dozen 7.75
Half dozen in a box or package.



4053 4054 4055 4056 4057 E.P. Ferrule 4058

For prices, etc., see page 897.

E.P. Ferrule
4056

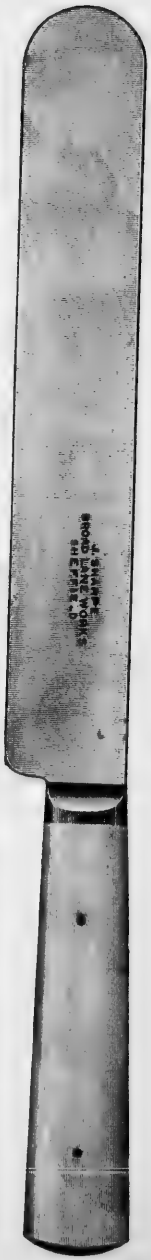
442

454

5731
5732

3471 W.B.

3474 W.B.
3475 Ebony
1473 Rose



3733

[For prices, etc., see page 897.

3741

6938

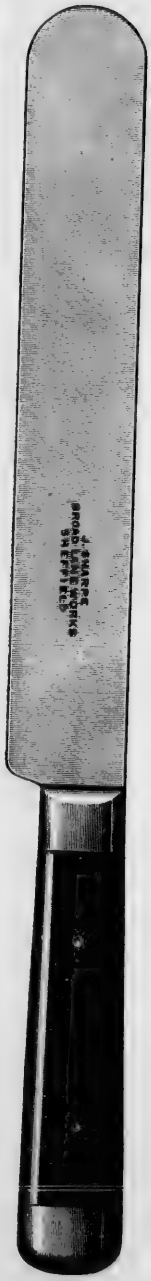
1825 Rose
3826 W. B.

1199 Rose,
2199 Ebony.

2827 Ebony
3828 W. B.

For prices, etc., see page 897.

2827 Ebony
3828 W. B.




2975

2062

1764 Rose

3787

1783

For prices, etc., see page 898.

1633 Rose.
2633 Ebony.
3633 W.B.




1959




1762 Rose.
2760 Ebony.
3796 W.B.




1906 Rose.




1934 Rose.

For prices, etc., see page 898.

1934 Rose.

2939 Ebony.
1939 Rose.
3939 W.B.

4808 Self Tip.
1808 Rose.

2836 Ebony.

1808 Rose.

For prices, etc., see page 598.

**2972**
8 inch.

**2973**
9 inch.

**3265**
9 inch.
In Case with Steel ..... } **3060**

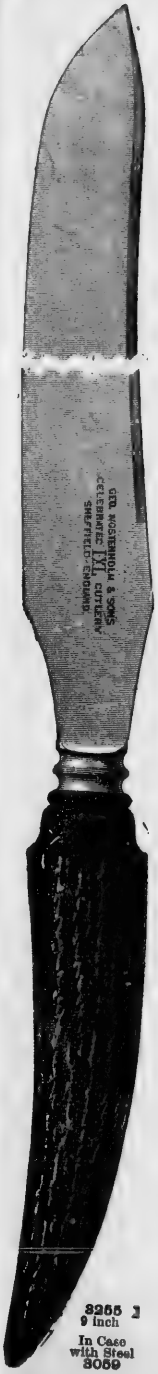
**E.P. Ferrule.**
**3251** 9 inch.
In Case with Steel ..... } **3061**

**3247**
10 inch.
Special Long Shank Fork.

**E.P. Cap and Ferrule.**
**3249** 9 inch.
Special Long Shank Fork.
In Case **3065.**

For prices, etc., see page 898.

E.P. Cap and Ferrule.
3249 9 inch.
Special Long Shank Fork
In Case 3055.



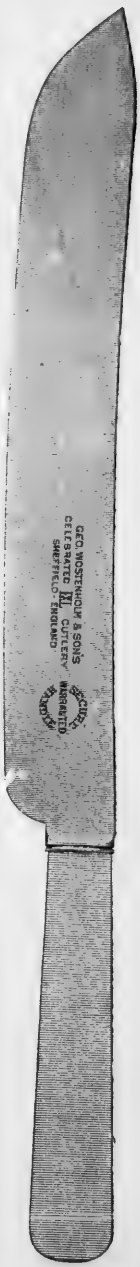

3255 9 inch
In Case with Steel 3059

4053
9 inch.

4054
9 inch.

4057
9 inch.

E.P. Ferrule.
4058
9 inch.




3276
9 inch.
3276 in Case with Steel... } 3063
3277 ditto better Case } 3062

For prices, etc., see page 898.

## CARVERS IN CASES

No. 12191.

### Joseph Rodgers & Sons

No. **12191**—5 Pieces, Celluloid Handles, Silver Mountings ..... Each $26.25
No. **12190**—5 Pieces, Stag Handles, Silver Mountings ..... Each 18.75

### George Wostenholm & Sons

**5 Pieces**

No. **3066**—Celluloid Handles (as Carver No. 4057, page 895) ..... Each $11.25
No. **3065**—Stag Handles (as Carver No. 3249, page 894) (Walnut Case) ..... Each 18.75

**3 Pieces**

No. **3063**—Celluloid Handles (as Carver No. 3276, page 895) ..... Each 5.00
No. **3062**—Celluloid Handles (as Carver No. 3276, page 895), but with Polished Swage Blade, Best Fork and Better Case ..... Each 6.00
No. **3060**—Stag Handles (as Carver No. 3265, page 894) ..... Each 5.75
No. **3061**—Stag Handles (as Carver No. 3251, page 894) ..... Each 7.50

**2 Pieces**

No. **3055**—Stag Handles (as Carver No. 3249, page 894) with special Long Shank Fork, Silver Cap and Ferrule ..... Each 6.00

### E. M. Dickinson

**5 Pieces**

No. **9311**—Stag Handles, Silver Cap and Ferrule ..... Each $15.00

**3 Pieces**

No. **9021**—Celluloid Handles, Oval ..... Each 3.75
No. **9119**—Celluloid Handles, Square Moulded Ends ..... Each 5.00
No. **265** —Celluloid Handles, Oval ..... Each 3.75
No. **9016**—Stag Handles ..... Each 2.75
No. **9017**—Stag Handles, Silver Ferrule ..... Each 3.00
No. **9049**—Stag Handles, Silver Ferrule ..... Each 3.00
No. **9054**—Stag Handle (as Carver No. 3255, page 895) (Extra Quality Case) ..... Each 4.75
No. **9220**—Stag Handle, Silver Ferrule (Oak Case) ..... Each 7.00
No. **6804**—Stag Handle, Silver Ferrule ..... Each 4.25
No. **6805**—Machine Stag Handle, Silver Cap and Ferrule ..... Each 8.25
No. **9124**—Stag Handle, Silver Cap and Ferrule ..... Each 9.50

**Breakfast Sets, 3 Pieces**

No. **6800**—Stag Handle ..... Each 3.00

**We carry in stock a great variety of Carvers in cases, not described in above list.**

## RAZORS

### Page 884

| | | | | | | |
|---|---|---|---|---|---|---|
| Nos. | **504** | **526** | **515** | **508** | **509** | **523** |
| Inches | 3-4 | 5-8 | 3-4 | 3-4 | 7-8 | 5-8 |
| Per dozen | $5.25 | 6.50 | 9.00 | 11.50 | 12.00 | 6.00 |
| Nos. | **522** | **524** | **525** | **536** | **501** | |
| Inches | 1-2 | 3-4 | 7-8 | 3-4 | 7-8 | |
| Per dozen | $6.00 | 6 25 | 6.50 | 7.50 | 8.25 | |

### Page 885

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Nos. | **511** | **512** | **519** | **529** | **533** | **740** | **740** | **740** | **740** |
| Inches | 5-8 | 3-4 | 3-4 | 3-4 | 5-8 | 1-2 | 5-8 | 3-4 | 7-8 |
| Per dozen | $8.00 | 8.25 | 8.00 | 10.00 | 7.50 | 12.00 | 12.75 | 12.75 | 13.50 |

## Knives Only

PRICE PER DOZEN.

### Page 888

| | Dessert. | Table. | |
|---|---|---|---|
| No. **4053**— | $4.30 | $5.10 | Celluloid Handle. |
| No. **4054**— | 4.55 | 5.50 | Celluloid Handle. |
| No. **4055**— | 4.30 | 5.60 | Celluloid Handle. |
| No. **4056**— | 4.55 | 5.75 | Celluloid Handle. |
| No. **4057**— | 4.80 | 6.10 | Celluloid Handle. |
| No. **4058**— | 4.80 | 6.00 | Celluloid Handle, E. P. Ferrule. |

## Knives Only

PRICE PER DOZEN.

### Page 889

| | Dessert. | Table. | |
|---|---|---|---|
| No. **442**— | $ | $2.50 | Plain Celluloid Handle. |
| No. **454**— | 3.20 | 3.40 | Grained Celluloid Handle. |

## Table Knives and Forks

No. **5731**—J. SHARPE, Iron Handle Tables, Cast Forks ..... Per dozen $1.10
No. **5732**—J. SHARPE, Iron Handle Tables, Steel Forks ..... Per dozen 1.30
No. **3471**—BROAD LANE, White Bone Handle Tables, Cast Forks ..... Per dozen 1.10
No. **3474**—BROAD LANE, White Bone Handle Tables, Cast Forks ..... Per dozen 1.50
No. **2475**—BROAD LANE, Ebony Handle Tables, Cast Forks ..... Per dozen 1.40
No. **1473**—BROAD LANE, Rosewood Handle Tables, Cast Forks ..... Per dozen 1.35
No. **3733**—J. SHARPE, White Bone Handle Tables, Cast Forks ..... Per dozen 1.60

### Page 890

No. **3741** —J. SHARPE, White Bone Handle Tables, Steel Forks ..... Per dozen $2.00
No. **360** —ROYAL OAK, as No. 3741, Steel Forks ..... Per dozen 2.00
No. **260** —ROYAL OAK, as No. 3741, Ebony Handle, Steel Forks ..... Per dozen 1.75
No. **160** —ROYAL OAK, as No. 3741, Rosewood Handle, Steel Forks ..... Per dozen 1.75
No. **260 1-2**—ROYAL OAK, as No. 3741, Ebony Handle, Cast Forks ..... Per dozen 1.40
No. **160 1-2**—ROYAL OAK, as No. 3741, Rosewood Handle, Cast Forks ..... Per dozen 1.40
No. **6938** —J. SHARPE, Imitation Stag Handle Tables, Cast Forks ..... Per dozen 1.55
No. **1825** —J. SHARPE, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.00
No. **3826** —J. SHARPE, White Bone Handle Tables, Steel Forks ..... Per dozen 2.30
No. **1199** —J. SHARPE, Rosewood Handle Tables, Steel Forks ..... Per dozen 1.90
No. **2199** —J. SHARPE, Ebony Handle Tables, Steel Forks ..... Per dozen 1.95
No. **2827** —J. SHARPE, Ebony Handle Tables, Steel Forks ..... Per dozen 2.20
No. **3828** —J. SHARPE, White Bone Handle Tables, Steel Forks ..... Per dozen 2.40

## Dessert Knives and Forks

No. **1199**—J. SHARPE, Rosewood Handle Desserts, Steel Forks ..... Per dozen 1.90

## TABLE KNIVES AND FORKS

**Page 891.**

No. **2975**—J. Sharpe, Ebony Handle Tables, Steel Forks ..... Per dozen $2.30
No. **210**—Royal Oak, as No. 2975, Steel Forks ..... Per dozen 2.00
No. **110**—Royal Oak, as No. 2975, Rosewood Handle, Steel Forks ..... Per dozen 2.00
No. **310**—Royal Oak, as No. 2975, White Bone Handle, Steel Forks ..... Per dozen 2.00
No. **2052**—Askham's, Ebony Handle Tables, Steel Forks ..... Per dozen 2.20
No. **1764**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.35
No. **3707**—Askham's, White Bone Handle Tables, Steel Forks ..... Per dozen 2.35
No. **1783**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.60
..... Per dozen 2.40

**Page 892.**

No. **1633**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen $2.40
No. **2633**—Askham's, Ebony Handle Tables, Steel Forks ..... Per dozen 2.40
No. **3633**—Askham's, White Bone Handle Tables, Steel Forks ..... Per dozen 2.70
No. **1959**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.80
No. **1762**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.35
No. **2760**—Askham's, Ebony Handle Tables, Steel Forks ..... Per dozen 2.40
No. **3706**—Askham's, White Bone Handle Tables, Steel Forks ..... Per dozen 2.70
No. **1906**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.70
No. **1934**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.35

### Dessert Knives and Forks

No. **3706**—Askham's, White Bone Handle Desserts, Steel Forks ..... Per dozen $2.70
No. **1906**—Askham's, Rosewood Handle Desserts, Steel Forks ..... Per dozen 2.70
No. **1934**—Askham's, Rosewood Handle Desserts, Steel Forks ..... Per dozen 2.35

**Page 893.**

No. **2939**—Askham's, Ebony Handle Tables, Steel Forks ..... Per dozen $2.70
No. **1939**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.70
No. **3939**—Askham's, White Bone Handle Tables, Steel Forks ..... Per dozen 2.90
No. **4808**—Askham's, Self-Tip Handle Tables, Steel Forks ..... Per dozen 4.15
No. **1803**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.70
No. **2836**—Askham's, Ebony Handle Tables, Steel Forks ..... Per dozen 2.50
No. **1802**—Askham's, Rosewood Handle Tables, Steel Forks ..... Per dozen 2.60

### Dessert Knives and Forks

No. **2939**—Askham's, Ebony Handle Desserts, Steel Forks ..... Per dozen $2.70
No. **3939**—Askham's, White Bone Handle Desserts, Steel Forks ..... Per dozen 2.90
No. **4808**—Askham's, Self-Tip Handle Desserts, Steel Forks ..... Per dozen 4.15
No. **1803**—Askham's, Rosewood Handle Desserts, Steel Forks ..... Per dozen 2.70
No. **2836**—Askham's, Ebony Handle Desserts, Steel Forks ..... Per dozen 2.50

### Carvers

**Page 894.**

No. **2972**—I.XL, Stag Handle Carvers, 8 inches ..... Per pair $0.90
No. **2973**—I.XL, Stag Handle Carvers, 9 inches ..... Per pair 1.15
No. **3265**—I.XL, Stag Handle Carvers, 9 inches ..... Per pair 1.95
No. **3251**—I.XL, Stag Handle Carvers, E.P. Ferrule, 9 inches ..... Per pair 2.60
No. **3247**—I.XL, Stag Handle Carvers, 10 inches ..... Per pair 2.60
No. **3249**—I.XL, Stag Handle Carvers, E.P. Cap and Ferrule, 9 inches ..... Per pair 3.40

**Page 895.**

No. **3255**—I.XL, Stag Handle Carvers, 9 inches ..... Per pair $2.40
No. **4053**—I.XL, Celluloid Handle Carvers, 9 inches ..... Per pair 1.70
No. **4054**—I.XL, Celluloid Handle Carvers, 9 inches ..... Per pair 2.10
No. **4057**—I.XL, Celluloid Handle Carvers, 9 inches ..... Per pair 2.00
No. **4058**—I.XL, Celluloid Handle Carvers, E.P. Ferrule, 9 inches ..... Per pair 1.95
No. **3276**—I.XL, Celluloid Handle Carvers, 9 inches ..... Per pair 2.00
No. **4054**—I.XL, Celluloid Handle Game Carvers ..... Per pair 1.70
No. **4057**—I.XL, Celluloid Handle Game Carvers ..... Per pair 1.70
No. **4057**—I.XL, Celluloid Handle Breakfast Carvers ..... Per pair 1.50

BREAD
Style of 3015 3002 3589

## BREAD KNIVES, PUTTY KNIVES, PRUNING KNIVES, FARRIERS' KNIVES

For prices, etc., see page 902.

Style of 3015 3002 3589

Style of 1265 3027 3066

3429 3431 3861

920

925
Assorted, ¾ and ⅞ inch.

.....Per dozen $2.30
.....Per dozen 2.90
.....Per dozen 2.90
.....Per dozen 2.20
.....Per dozen 2.35
.....Per dozen 2.35
.....Per dozen 2.60
.....Per dozen 2.40

.....Per dozen $2.40
.....Per dozen 2.40
.....Per dozen 2.70
.....Per dozen 2.80
.....Per dozen 2.35
.....Per dozen 2.40
.....Per dozen 2.70
.....Per dozen 2.70
.....Per dozen 2.35

.....Per dozen $2.70
.....Per dozen 2.70
.....Per dozen 2.35

.....Per dozen $2.70
.....Per dozen 2.70
.....Per dozen 2.90
.....Per dozen 4.15
.....Per dozen 2.70
.....Per dozen 2.50
.....Per dozen 2.60

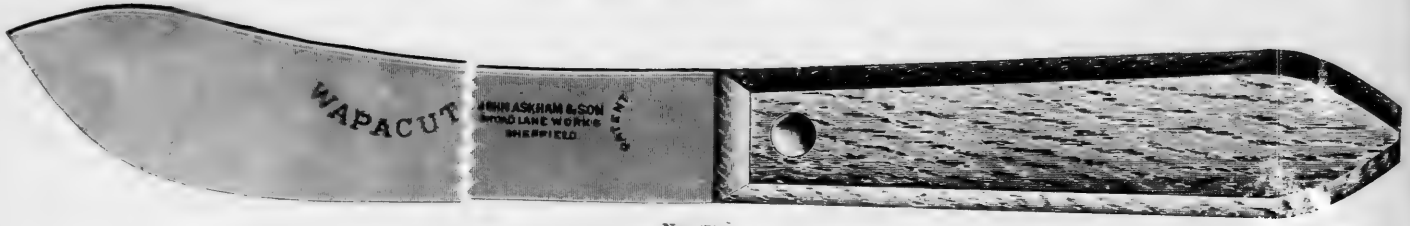
.....Per dozen $2.70
.....Per dozen 2.90
.....Per dozen 4.15
.....Per dozen 2.70
.....Per dozen 2.50

.....Per pair $0.90
.....Per pair 1.15
.....Per pair 1.95
.....Per pair 2.60
.....Per pair 2.60
.....Per pair 3.40

.....Per pair $2.40
.....Per pair 1.70
.....Per pair 2.10
.....Per pair 2.00
.....Per pair 1.95
.....Per pair 2.00
.....Per pair 1.70
.....Per pair 1.70
.....Per pair 1.50

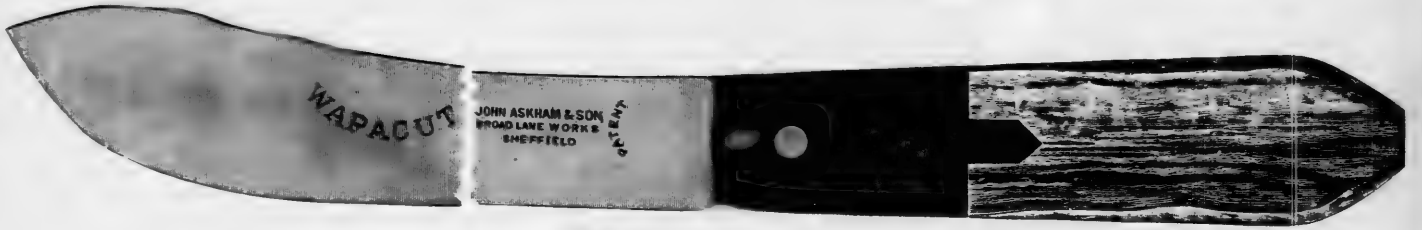
No. 480.

The Blades of the "Wapacut," Knives are made of best Double Shear Steel, hand forged and carefully tempered.

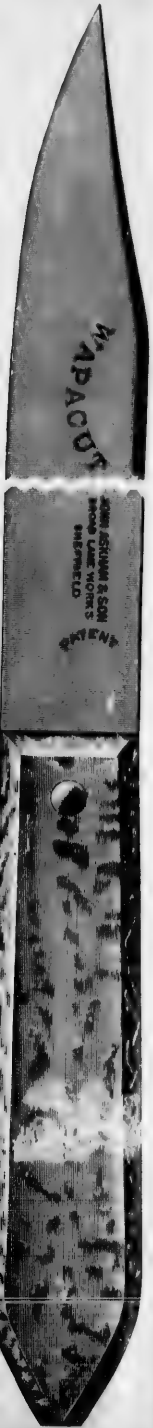


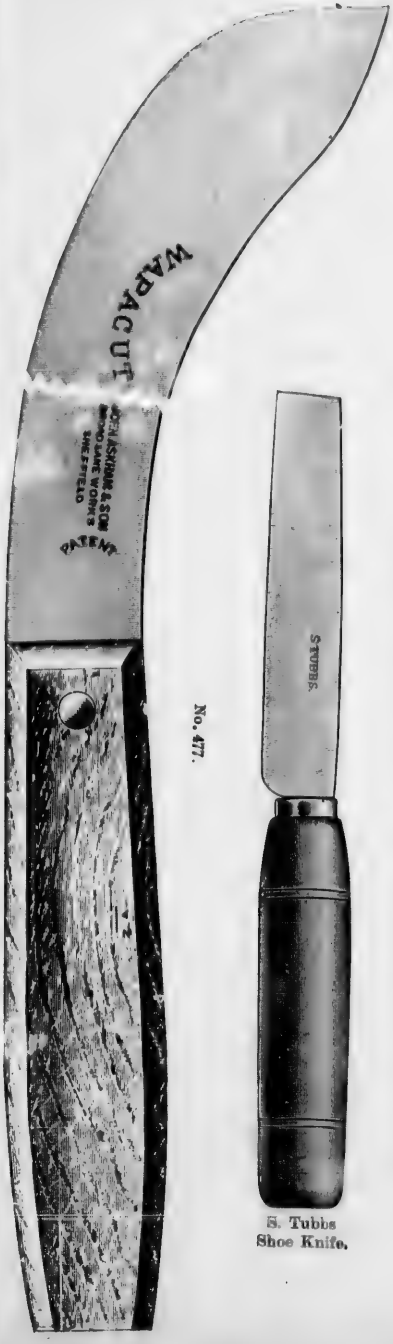

No. 475.

Sectional cut showing how handles are attached to blade.




For prices, etc., see page 902.




No. 477.

## "WAPACUT" SKINNING KNIVES

## SHOE KNIVES

## KITCHEN KNIVES




S. Tubbs
Shoe Knife.

Goodell's
Shoe Knife.

Goodell's
Kitchen Knife.

No. 15
Kitchen Knife.

For prices, etc., see page 902.

## BREAD KNIVES

Page 899

No. **3015**—Bread Knives, Wood Handle ..... Per dozen $ 2.00
No. **3002**—Bread Knives, Wood Handle ..... Per dozen 4.00
No. **3589**—Bread Knives (Joseph Rodgers & Sons') ..... Per dozen 10.75
No. **1265**—Bread Knives, Wood Handle ..... Per dozen 4.50
No. **3027**—Bread Knives, Wood Handle ..... Per dozen 7.60
No. **5086**—Bread Knives (Joseph Rodgers & Sons') ..... Per dozen 12.00

## Putty Knives

Page 899

No. **3429**—Heavy Putty Knives, Dickinson's, Rosewood Handle ..... Per dozen $ 2.25
No. **3131**—Light Putty Knives, Dickinson's, Rosewood Handle ..... Per dozen 2.00
No. **3881**—Putty Knives, Rodgers' Square Point, Cocoa Handle ..... Per dozen 2.40
No. **3111**—Putty Knives, Rodgers' Spear Point, Cocoa Handle ..... Per dozen 3.00

## Pruning Knives

Page 899

No. **920**—I.XL Pruning Knives, Stag Handle ..... Per dozen $ 8.25
No. **189**—Joseph Rodgers & Sons' Pruning Knives, Stag Handle ..... Per dozen 8.25
No. **190**—Joseph Rodgers & Sons' Pruning Knives, Buff Handle ..... Per dozen 8.25
No. **192**—Joseph Rodgers & Sons' Pruning Knives, Cocoa Handle ..... Per dozen 4.40
No. **540**—Joseph Rodgers & Sons' Pruning Knives, Beech Handle, with Sheath ..... Per dozen 4.70

## Farriers' Knives

Page 899

No. **925**—I.XL Farriers' Knives ..... Per dozen $ 3.40
No. **18350**—Joseph Rodgers & Sons' Farriers' Knives, 5-8 inch ..... Per dozen 4.25
No. **18352**—Joseph Rodgers & Sons' Farriers' Knives, 3-4 inch ..... Per dozen 4.25
No. **18353**—Joseph Rodgers & Sons' Farriers' Knives, 7-8 inch ..... Per dozen 4.25
No. **18349**—Joseph Rodgers & Sons' Farriers' Searching Knives ..... Per dozen 4.25

## Wapacut Butcher Knives

Beechwood Handles.

Page 900

| No. **475** ..... Inches | 6 | 7 | 8 | 10 | 12 |
|---|---|---|---|---|---|
| Per dozen | $2.70 | 3.40 | 4.50 | 6.75 | $10.75 |

No. **480**—Wapacut Sticking Knives, 6 inches ..... Per dozen 2.70

Page 901

No. **477**—Wapacut Skinning Knives, 5 1-2 inches ..... Per dozen 2.70
No. **477**—Wapacut Skinning Knives, 6 inches ..... Per dozen 2.70

## Shoe Knives

Page 901

S. Tubbs' Shoe Knives, 4 inch, Square Points ..... Per dozen $ 1.05
Goodell's Shoe Knives, 4 inch, Square Points ..... Per dozen 1.90
John Wilson's Shoe Knives, No. 01, Round Points ..... Per dozen 1.30
John Wilson's Shoe Knives, No. 1, Square Points ..... Per dozen 1.30
Ames' Shoe Knives, No. 2, Square Points ..... Per dozen 1.35
Ames' Shoe Knives, No. 2, Round Points ..... Per dozen 1.60

## Kitchen Knives

Page 901

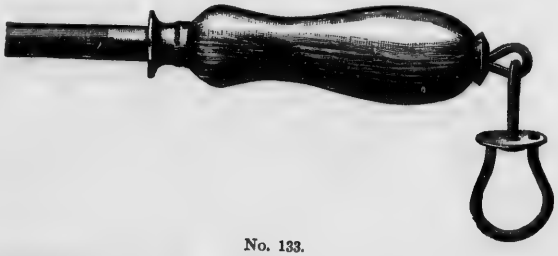
Goodell's Kitchen Knives, Square Points ..... Per dozen $ 0.85
No. **15**—Kitchen Knives ..... Per dozen 1.00
No. **16832 1-2**—Kitchen Knives (Blades same as Cigar Knife, page 903) ..... Per dozen .95

## BUTCHERS' STEELS

No. 860.

No. **860**—8 1-2 inch, Rodgers' Stag Handle, wire ring and swivel ..... Per dozen $ 5.90
No. **504**—12 inch, Wapacut Stag Handle, brass ferrule, ring and swivel ..... Per dozen 12.00
No. **504**—14 inch, Wapacut Stag Handle, brass ferrule, ring and swivel ..... Per dozen 13.75

Half dozen in a package.



No. 133.

No. **133**—10 inch, Varnished Handle, wire ring and swivel ..... Per dozen $ 5.60
No. **131**—12 inch, Red Wood Handle, brass swivel and ring ..... Per dozen 13.00
No. **132**—12 inch, Self-Tip Handle, brass ferrule, swivel and ring ..... Per dozen 16.75
No. **511**—12 inch, Wapacut Boxwood Handle, brass ferrule, swivel and ring ..... Per dozen 11.75
No. **496**—12 inch, Wapacut Fluted Self-Tip Handle, nickel-plated ferrule, swivel and ring ..... Per dozen 24.00
No. **862**—12 inch, Rodgers' Red Wood Inlaid Handle, wire ring and swivel ..... Per dozen 14.00
No. **864**—12 inch, Rodgers' Self-Tip Handle, wire ring and swivel ..... Per dozen 17.75
No. **866**—12 inch, Rodgers' Self-Tip Handle, brass ferrule, swivel and ring ..... Per dozen 19.50

Half dozen in a package.

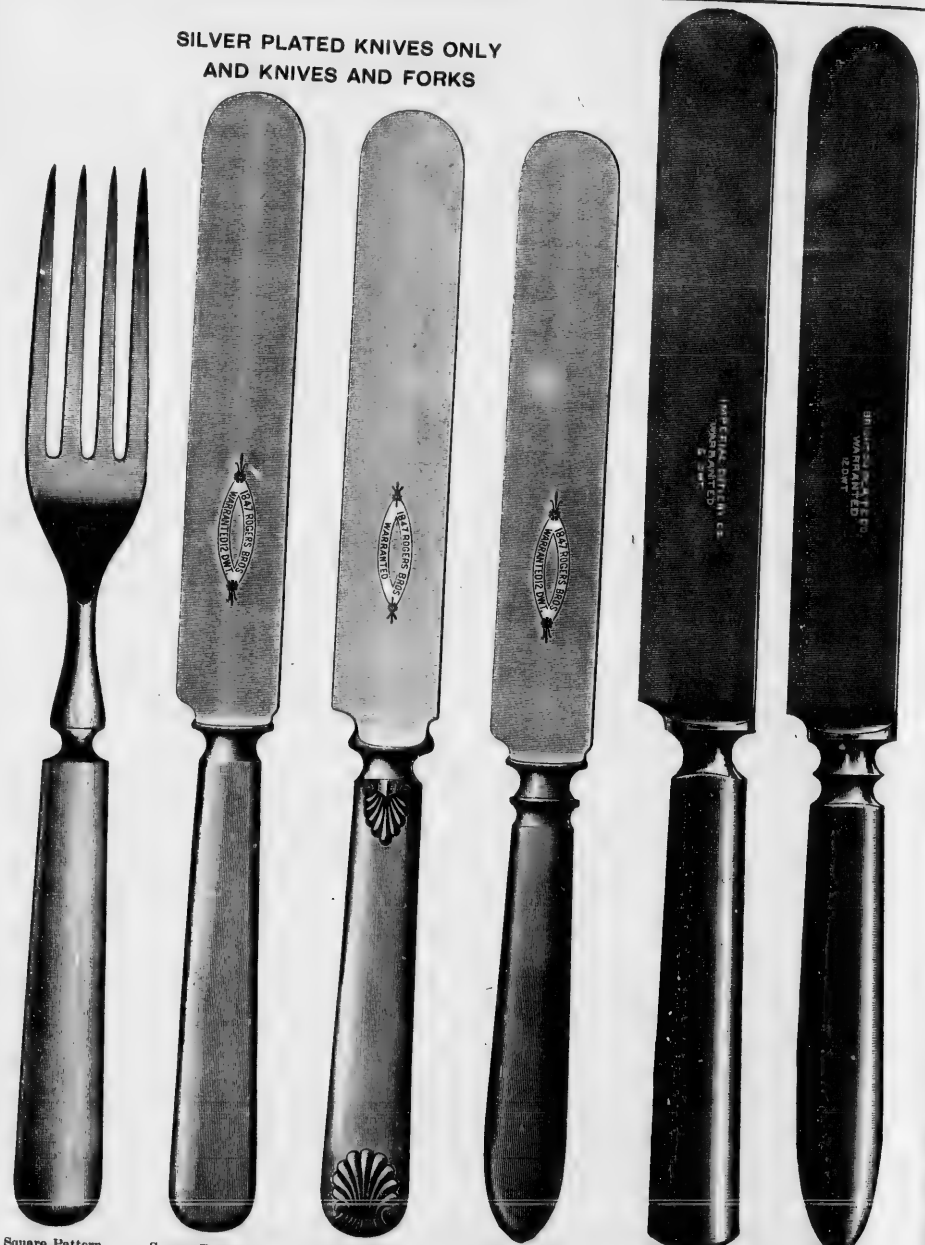
## Cigar Knives

Cincinnati Pattern, Sharp Point.

Cigar Knives, Cincinnati pattern, sharp point ..... Per dozen $2.70

One dozen in a box.

## SILVER PLATED KNIVES ONLY AND KNIVES AND FORKS


1847 ROGERS BROS. WARRANTED 12 DWT
1847 ROGERS BROS. WARRANTED
1847 ROGERS BROS. WARRANTED 12 DWT
IMPERIAL SILVER CO. WARRANTED 6 DWT
BRIGHTON PLATED WARRANTED 12 DWT

Square Pattern.

Square Pattern.
Roger's Bros., A 1.
12 dwt.

Shell Pattern.

Windsor Pattern.

Square Pattern.
Imperial 6 dwt.
Brighton 12 dwt.

Windsor Pattern.
Brighton 12 dwt.

## KITCHEN FORKS

No. **1**—Three Prong, tinned, 13 inches, enamelled handle ..... Per dozen $1.05
One dozen in a box.

No. **6**—Two Prong, tinned, 18 inches, enamelled handle ..... Per dozen $2.25
One dozen in a box.

## Tinned Steel Spoons

### Threaded Pattern Tea Spoons

No. **384**—Tinned Steel Tea Spoons, medium ..... Per gross $1.50
No. **352**—Tinned Steel Tea Spoons, large ..... Per gross 1.65
No. **400**—Tinned Steel Tea Spoons, extra quality ..... Per gross 4.00
Half gross in a box.

### Oval Tipped Pattern

No. **100**—Tinned Steel Tea Spoons, extra quality ..... Per gross $5.25
One-quarter gross in a box.

## Table Spoons

### Threaded Pattern

No. **159**—Tinned Steel Table Spoons ..... Per gross $2.50
No. **171**—Tinned Steel Table Spoons, medium ..... Per gross 3.25
No. **170**—Tinned Steel Table Spoons, heavy ..... Per gross 3.50
No. **400**—Tinned Steel Table Spoons, extra quality ..... Per gross 6.00
Half gross in a box.

### Oval Tipped Pattern

No. **100**—Tinned Steel Table Spoons, extra quality ..... Per gross $10.50
One-sixth gross in a box.

## Basting Spoons

14 Inch Tinned Basting Spoons, enamelled handles ..... Per dozen $0.85
16 Inch Tinned Basting Spoons, enamelled handles ..... Per dozen .90

## Forged Basting Spoons

12 Inch Tinned Mexico Forged Basting Spoons ..... Per dozen $1.25
14 Inch Tinned Mexico Forged Basting Spoons ..... Per dozen 1.65
16 Inch Tinned Mexico Forged Basting Spoons ..... Per dozen 1.85
One dozen in a package.

Windsor Pattern.
Brighton 12 dwt

## TEA SPOONS

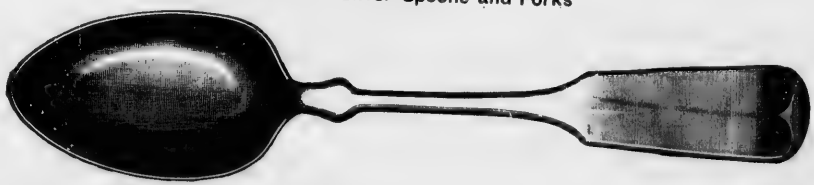
"KING BEE."

"King Bee" Tea Spoons ..... Per gross $4.80

One-quarter gross in a box.

These Spoons are made of 25 per cent. Sheet German Silver, and intended to take the place of the tinned spoons, which are so subject to rust and corrode.

## Mexican Silver Spoons and Forks



No. A 8—Mexican Silver Tipped Tea Spoons, small ..... Per dozen $0.80
No. A 9—Mexican Silver Tipped Tea Spoons, medium ..... Per dozen .95
No. A10—Mexican Silver Tipped Tea Spoons, large ..... Per dozen 1.20

Three dozen in a box.

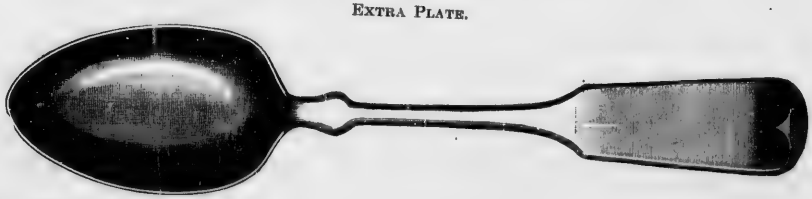
No. A11—Mexican Silver Tipped Dessert Spoons ..... Per dozen 2.40
No. A12—Mexican Silver Tipped Table Spoons ..... Per dozen 2.85
No. A13—Mexican Silver Tipped Dessert Forks ..... Per dozen 2.40
No. A14—Mexican Silver Tipped Table Forks ..... Per dozen 2.85

Two dozen in a box.

Goods bearing the above mark are manufactured from special Solid White Metal, and will not lose their clear surface, scale or peel, and are equal to any other White Metal goods offered.

## Electro-Silver Plated Spoons and Forks

EXTRA PLATE.



No. 111—Electro Plate Tea Spoons, full size ..... Per dozen $2.75
No. 121—Electro Plate Dessert Spoons ..... Per dozen 4.50
No. 131—Electro Plate Table Spoons ..... Per dozen 5.25
No. 141—Electro Plate Dessert Forks ..... Per dozen 4.95
No. 151—Electro Plate Medium Forks ..... Per dozen 5.75

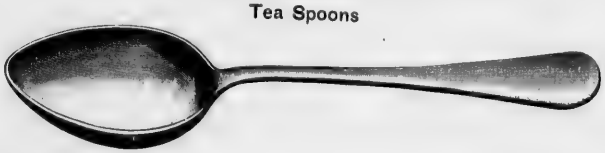
One dozen in a box.

Half dozen in plush lined case.

## NEVADA SILVER SPOONS AND FORKS

Nevada Silver is a pure White Metal Alloy of everlasting wear, specially refined for the manufacture of Spoons, Forks, etc.

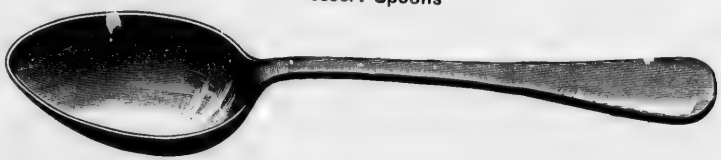
### Tea Spoons



No. **526**L—Nevada Silver Tea Spoons, small ..... Per dozen $0.80
No. **525**L—Nevada Silver Tea Spoons, medium ..... Per dozen .95
No. **524**L—Nevada Silver Tea Spoons, large ..... Per dozen 1.10

Three dozen in a box.

### Dessert Spoons

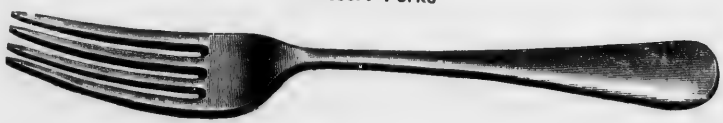


No. **522**L—Nevada Silver Dessert Spoons ..... Per dozen $2.25

### Table Spoons

No. **520**L—Nevada Silver Table Spoons ..... Per dozen $3.00

### Dessert Forks



No. **523**L—Nevada Silver Dessert Forks ..... Per dozen $2.25

### Table Forks

No. **521**L—Nevada Silver Table Forks ..... Per dozen $3.00

One dozen in a box.

## NEVADA SILVER SPOONS AND FORKS

Nevada Silver is a pure White Metal Alloy of everlasting wear, specially refined for the manufacture of Spoons, Forks, etc.

### Tea Spoons

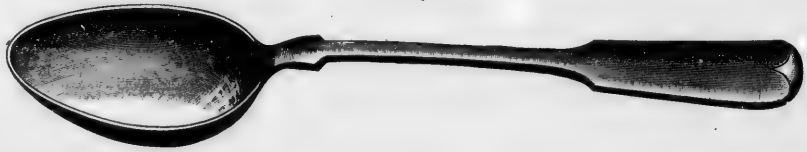
No. **566L**—Nevada Silver Tea Spoons, small.....Per dozen $0.80
No. **565L**—Nevada Silver Tea Spoons, medium.....Per dozen .95
No. **564L**—Nevada Silver Tea Spoons, large.....Per dozen 1.10
No. **384** —Nevada Silver Tea Spoons, large, heavy.....Per dozen 1.35

Three dozen in a box.

### Dessert Spoons

No. **562L**—Nevada Silver Dessert Spoons.....Per dozen $2.25
No. **382** —Nevada Silver Dessert Spoons, heavy.....Per dozen 2.85

### Table Spoons

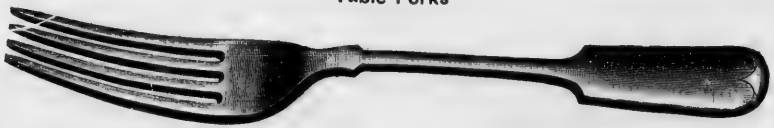


No. **560L**—Nevada Silver Table Spoons.....Per dozen $3.00
No. **380** —Nevada Silver Table Spoons, heavy.....Per dozen 3.60

### Dessert Forks

No. **563L**—Nevada Silver Dessert Forks.....Per dozen $2.25
No. **383** —Nevada Silver Dessert Forks, heavy.....Per dozen 3.00

### Table Forks



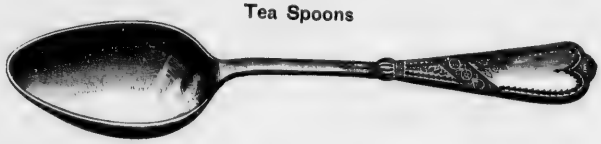
No. **561L**—Nevada Silver Table Forks.....Per dozen $3.00
No. **381** —Nevada Silver Table Forks, heavy.....Per dozen 3.60

One dozen in a box.

## NEVADA SILVER SPOONS AND FORKS

**Nevada Silver is a pure White Metal Alloy of everlasting wear, specially refined for the manufacture of Spoons, Forks, etc.**

### Tea Spoons



No. **544**—Nevada Silver Tea Spoons ..... Per dozen $1.80

Three dozen in a box.

### Dessert Spoons

No. **542**—Nevada Silver Dessert Spoons ..... Per dozen $3.00

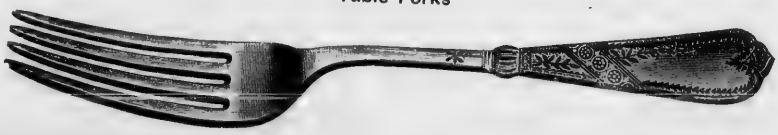
### Table Spoons

No. **540**—Nevada Silver Table Spoons ..... Per dozen $3.90

### Dessert Forks

No. **543**—Nevada Silver Dessert Forks ..... Per dozen $3.00

### Table Forks



No. **541**—Nevada Silver Table Forks ..... Per dozen $3.90

One dozen in a box.

## 1847—ROGERS BROS.'
## SPOONS, FORKS, BUTTER KNIVES, ETC.

Tipped.

Shell.

Portland.

Columbia.

### Tea Spoons

Per dozen.

| Patterns.. | Extra Plate. No. 2 | Sectional Plate. No. 2 XII. | Triple Plate. No. 6 |
|---|---|---|---|
| Tipped.. Shell.... | $4.25 | 5.00 | 6.75 |
| Fancy .... | 4 75 | 5.50 | 7.25 |

### Coffee Spoons

| | Per doz. |
|---|---|
| Fancy Patterns, Ex. Plate No. 2.. | $4.75 |

### Sugar Shells

| | Per doz. |
|---|---|
| Tipped, Ex. Plate No. 3 ..... | $8.00 |
| Fancy Patterns, Ex. Plate No. 3.. | 9.00 |

### Berry Spoons

| | Per doz. |
|---|---|
| Fancy Patterns, Ex. Plate No. 4. | $24.00 |
| Extra for Gilt Bowls ..... | 9.00 |

### Dessert Spoons and Forks

Per dozen.

| Patterns.. | Extra Plate. No. 3 | Sectional Plate. No. 3 XII. | Triple Plate No. 9 |
|---|---|---|---|
| Tipped.. Shell.... | $7.50 | 8.63 | 11.50 |
| Fancy .... | 8.50 | 9 63 | 12.50 |

### Oyster Forks

| | Per doz. |
|---|---|
| Fancy Patterns, Ex. Plate No. 3.. | $7.00 |

### Pickle Forks

| | Per doz. |
|---|---|
| Portland, Ex. Plate No. 3. ..... | $ 9.00 |
| Tipped, Long, Ex. Plate No. 3... | 9.50 |
| Fancy, Twist, Long, Ex. Plate No. 3 ..... | 12.00 |

### Table Spoons and Medium Forks

Per dozen.

| Patterns.. | Extra Plate. No. 4 | Sectional Plate No. 4 XII. | Triple Plate. No. 12 |
|---|---|---|---|
| Tipped.. Shell.... | $8.50 | 10.00 | 13.50 |
| Fancy .... | 9.50 | 11.00 | 14.50 |

### Butter Knives

Twist Handle

| | Per doz. |
|---|---|
| Tipped, Ex. Plate No. 3 ..... | $10.00 |
| Fancy Patterns, Ex. Plate No. 3.. | 10.50 |

### Medium Soup Ladles

| | Per doz. |
|---|---|
| Tipped, Ex. Plate No. 4 ..... | $42.00 |
| Fancy Patterns, Ex. Plate No. 4.. | 48.00 |
| Extra for Gilt Bowls ..... ... | 12.00 |

Columbia.

and Medium

s

en.

| Sectional Plate | Triple Plate. |
|---|---|
| o. 4 XII. | No. 12 |
| 10.00 | 13.50 |
| 11.00 | 14.50 |

nives

ndle

| | Per doz. |
|---|---|
| 3 | $10.00 |
| late No. 3.. | 10.50 |

p Ladies

| | Per doz. |
|---|---|
| 4 | $42.00 |
| ate No. 4.. | 48.00 |
| | 12.00 |



## SILVER-PLATED CASTERS

Can supply all classes of MERIDEN BRITTANIA Co.'s Flat and Hollow Ware at Manufacturers' Prices.

No. 10.

Special.

No. **10**—Chased, 5 No. 13 3-4 Bottles.....Each $3.50

Special—Chased, 5 No. 13 3-4 Bottles.....Each 4.25

## SILVER-PLATED CASTERS

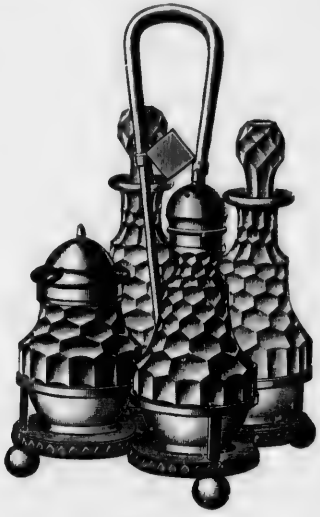
No. 9.

No. 2183.

No. **9**—Chased, 5 No. 13 3-4 Bottles ..... Each $3.00
No. **2183**—Plain, 5 No. 17 Bottles ..... Each 6.25
No. **2183**—Chased, 5 No. 17 Bottles ..... Each 6.75

## SILVER-PLATED CASTERS

No. 76.



No. 350.

No. **76**—Decorated ..... Each $3.75
No. **350**—Four No. 68 Bottles ..... Each 5.25

## Lunch Sets

No. 63.

No. **63**—Set, complete ..... Each $3.75
No. **86**—Peppers, only ..... Each 2.00
No. **162**—Salts, Gold Lined ..... Each 1.25
Case and Spoon, Gold Lined ..... Each .50

## SILVER-PLATED PICKLE CASTERS

No. 643.

No. **643**—White.....Each $1.25
No. **643**—Blue.....Each 1.25
No. **643**—Amber.....Each 1.25

No. 080.

No. **080**—Crystal....Each $2.25

No. 645.

No. **645**—Crystal.....Each $1.40
No. **645**—Blue.....Each 1.25
No. **645**—Amber.....Each 1.25

## SILVER-PLATED PICKLE CASTERS

No. 660.

No. **660**—Crystal.....Each $3.75

No. 267.

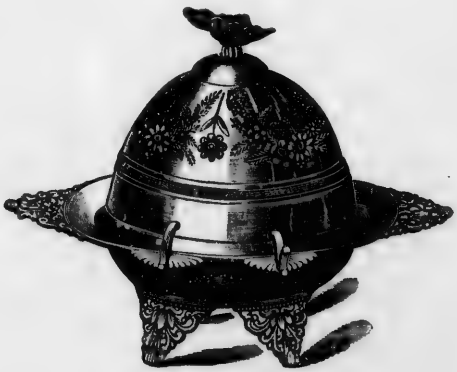
No. 249.

No. **267**—Ruby Decorated.....Each $4.50
No. **249**—Crystal.....Each 3.75

## SILVER-PLATED BUTTER DISHES

No. 1335 1-2.

No. **1335 1-2**—Crystal Dish ..... Each $1.40



No. 1347.

No. **1346**—Without Handles ..... Each $2.10
No. **1347**—With Handles, as illustrated ..... Each 2.50

## SILVER-PLATED BUTTER DISHES

No. 1851.

No. 1332 1-2.

No. **1351** —Chased, or Satin Chased ..... Each $4.00
No. **1332 1-2**—Chased, or Satin Chased ..... Each 5 50
No. **1357** —As No. 1351, but Special Plate ..... Each 3.50

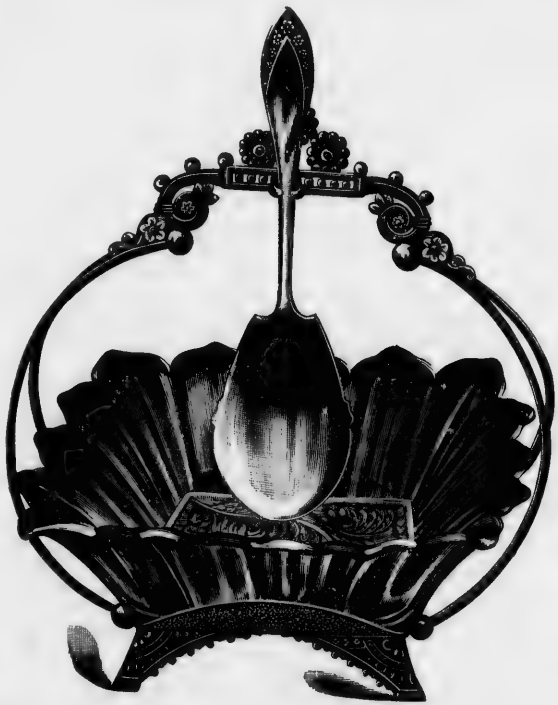
## SILVER-PLATED BUTTER DISHES

No. **5055**—Satin ..... Each $7.50
No. **5055**—Satin, Engraved ..... Each 8.50

## Silver-Plated Tea Set

No. **117**—Satin, Engraved, 3 pieces ..... Per set $16.00

## SILVER-PLATED BERRY DISHES



No. **0137**—Without Spoon ..... Each $5.00
No. **0137**—With Spoon ..... Each 6.00

## Silver-Plated Baking Dishes

No. **159**—Five Half Pints, Plain or Satin ..... Each $ 9.00
No. **160**—Six Half Pints, Plain or Satin ..... Each 10.00
No. **161**—Seven Half Pints, Plain or Satin ..... Each 10.50

## SILVER-PLATED BERRY DISHES

No. **1688**—Richly Decorated.....Each $8.50

## Silver-Plated Baking Dishes

No. **174**—Satin, Seven Half Pints.....Each $ 9.00
No. **174**—Satin, Engraved, Seven Half Pints.....Each 10.00

## SILVER-PLATED CAKE BASKETS

No. **1712**

Plain ..... Each $4.25
Chased ..... Each 4.75

No. **1400 1-2**

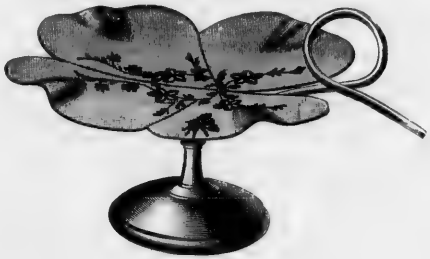
Chased ..... Each $4.25

## SILVER-PLATED CAKE BASKETS

No. **083**—Satin, Chased ..... Each $4.75

No. **102**—Satin, Engraved ..... Each $8.00

## SILVER-PLATED CARD RECEIVERS



No. **235**—Satin, Engraved ..... Each $4.50
No. **235**—Satin, Engraved ,Gold Lined ..... Each 5.00

## Silver-Plated Waiters

| Inches | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 |
|---|---|---|---|---|---|---|---|---|
| Satin | $2.00 | 2.50 | 3.25 | 4.00 | 4.25 | 4.75 | 6.00 | 9.75 |
| Satin, Shield | 2.25 | 2.75 | 3.50 | 4.25 | 4.75 | 5.25 | 6.75 | 10.50 |

## SILVER-PLATED ICE PITCHERS

No. **193 1-2**—Satin.....Each $8.50

## Silver-Plated Water Pitchers

No. **431**—Satin, Neck Gold Lined.....Each $ 9.25
No. **431**—Satin, Engraved, Neck Gold Lined.....Each 10.75

## WEIGHT OF ROUND, SQUARE AND FLAT BAR IRON

1 Foot and 16 Feet Long.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rounds | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 | 11-16 | 3/4 | 13-16 | 7-8 | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 1 3/4 | in. dia. |
| 1 foot | .163 | .255 | .368 | .50 | .654 | .828 | 1.02 | 1.2 | 1.47 | 1.72 | 2. | 2.61 | 3.31 | 4. | 4.95 | 5.89 | 6.91 | 8. | lbs. |
| 16 feet | 2.66 | 4 | 6 | 8 | 10 | 13 | 16 | 20 | 24 | 28 | 32 | 42 | 53 | 65 | 79 | 94 | 110 | 128 | lbs. |
| Rounds | 1 7/8 | 2 | 2 1/8 | 2 1/4 | 2 3/8 | 2 1/2 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 4 3/4 | 5 | 5 1/4 | 5 1/2 | 6 | in. dia. |
| 1 foot | 9 20 | 10. | 11 82 | 13 20 | 16.36 | 19.79 | 23.56 | 27.65 | 32. | 37. | 42. | 47. | 53. | 59. | 65. | 72. | 79. | 94. | lbs. |
| 16 feet | 147 | 167 | 185 | 212 | 260 | 317 | 377 | 442 | 513 | 589 | 670 | 756 | 848 | 945 | 1047 | 1155 | 1234 | 1508 | lbs. |
| Square | 1-4 | 5-16 | 3-8 | 7-16 | 1-2 | 9-16 | 5-8 | 11-16 | | 3-4 | | 13-16 | 7-8 | 1 | 1 1/8 | | | | inch. |
| 1 foot | .208 | .325 | .468 | .638 | .882 | 1.05 | 1.30 | 1.57 | | 1.87 | | 2 | 2.55 | 3.33 | 4.21 | | | | lbs. |
| 16 feet | 3 | 5 | 7 | 10 | 13 | 17 | 22 | 25 | | 30 | | 35 | 41 | 53 | 67 | | | | lbs. |
| Square | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 1 3/4 | 1 7/8 | 2 | 2 1/8 | | 2 1/4 | | 2 3/8 | 2 1/2 | 2 5/8 | 2 3/4 | 2 7/8 | 3 | 3 1/8 | inch. |
| 1 foot | 5.20 | 6.80 | 7.50 | 8.80 | 10.20 | 11.71 | 13.33 | 15 | | 16.87 | | 21 | 25 | 30 | 40 | 53 | | | lbs. |
| 16 feet | 83 | 101 | 120 | 141 | 163 | 188 | 213 | 240 | | 2.70 | | 333 | 402 | 480 | 653 | 854 | | | lbs. |
| Inch 1/4 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | x 1/4 | | | |
| 1 foot | .833 | .94 | 1.04 | 1.14 | 1.25 | 1.45 | 1.66 | 1.87 | | 2.08 | | 2.30 | 2.50 | 2.71 | 2.91 | | | | lbs. |
| 16 feet | 13 | 15 | 16.66 | 18 | 20 | 23 | 27 | 30 | | 33 | | 36 | 40 | 43 | 46 | | | | lbs. |
| Inch 1/4 x | 3 3/8 | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/4 | 6 | 6 1/2 | | 7 | | 8 | 9 | 10 | 11 | 12 | x 1/4 | | |
| 1 foot | 3.13 | 3.33 | 3.54 | 3.75 | 4.17 | 4.58 | 5. | 5.41 | | 5.82 | | 6.66 | 7.50 | 8.34 | 9.16 | 10 | | | lbs. |
| 16 feet | 50 | 54 | 57 | 60 | 66 | 72 | 80 | 86 | | 92 | | 108 | 120 | 132 | 144 | 160 | | | lbs. |
| Inch 5/16 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | x 5/16 | | | |
| 1 foot | 1.04 | 1.17 | 1.30 | 1.43 | 1.56 | 1.82 | 2.01 | 2.34 | | 2.60 | | 2.86 | 3.12 | 3.38 | 3.64 | | | | lbs. |
| 16 feet | 16 | 18 | 21 | 23 | 25 | 30 | 33 | 37 | | 42 | | 45 | 50 | 54 | 60 | | | | lbs. |
| Inch 5/16 x | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | | 7 | | 8 | 9 | 10 | 11 | 12 | x 5/16 | | |
| 1 foot | 3.90 | 4.16 | 4.42 | 4.68 | 5.29 | 5.72 | 6.26 | 6.76 | | 7.28 | | 8.32 | 9.36 | 10.58 | 11.44 | 12.52 | | | lbs. |
| 16 feet | 63 | 66 | 71 | 74 | 82 | 90 | 100 | 108 | | 120 | | 132 | 148 | 164 | 180 | 200 | | | lbs. |
| Inch 3/8 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | x 3/8 | | | |
| 1 foot | 1.25 | 1.40 | 1.50 | 1.71 | 1.87 | 2.18 | 2.50 | 2.81 | | 3.12 | | 3.43 | 3.75 | 4.06 | 4.37 | | | | lbs |
| 16 feet | 20 | 22 | 25 | 27 | 30 | 35 | 40 | 45 | | 50 | | 55 | 60 | 65 | 70 | | | | lbs. |
| Inch 3/8 x | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | | 7 | | 8 | 9 | 10 | 11 | 12 | x 3/8 | | |
| 1 foot | 4 68 | 5.00 | 5.31 | 5.62 | 6.25 | 6.87 | 7.50 | 8.12 | | 8.74 | | 10 | 11.24 | 12.50 | 13.74 | 15 | | | lbs. |
| 16 feet | 75 | 80 | 85 | 90 | 100 | 110 | 120 | 130 | | 140 | | 160 | 180 | 200 | 220 | 240 | | | lbs. |
| Inch 7/16 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | x 7/16 | | | |
| 1 foot | 1 45 | 1.64 | 1.82 | 2 | 2.18 | 2.55 | 2.98 | 3.28 | | 3.64 | | 4 | 4.37 | 4.73 | 5.10 | | | | lbs. |
| 16 feet | 23 | 26 | 29 | 32 | 35 | 41 | 47 | 52 | | 58 | | 64 | 70 | 76 | 82 | | | | lbs. |
| Inch 7/16 x | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | | 7 | | 8 | 9 | 10 | 11 | 12 | x 7/16 | | |
| 1 foot | 5.46 | 5.83 | 6.20 | 6.56 | 7.29 | 8.02 | 8.75 | 9.47 | | 10.20 | | 11.66 | 13.12 | 14.58 | 16.04 | 17.50 | | | lbs. |
| 16 feet | 88 | 94 | 99 | 104 | 116 | 124 | 140 | 152 | | 164 | | 188 | 210 | 234 | 257 | 280 | | | lbs. |
| Inch 1/2 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | x 1/2 | | | |
| 1 foot | 1.66 | 1.87 | 2.01 | 2.29 | 2.50 | 2.91 | 3.33 | 3.75 | | 4.16 | | 4.58 | 5. | 5.41 | 5.83 | | | | lbs. |
| 16 feet | 26 | 30 | 33 | 36 | 40 | 46 | 53 | 60 | | 67 | | 73 | 80 | 86 | 92 | | | | lbs. |
| Inch 1/2 x | 3 3/4 | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/2 | 6 | 6 1/2 | | 7 | | 8 | 9 | 10 | 11 | 12 | x 1/2 | | |
| 1 foot | 6.25 | 6.66 | 7.08 | 7.50 | 8.33 | 9.16 | 10. | 10.83 | | 11.66 | | 13.32 | 15. | 16.66 | 18.32 | 20 | | | lbs. |
| 16 feet | 100 | 106 | 113 | 120 | 134 | 146 | 160 | 172 | | 184 | | 212 | 240 | 268 | 292 | 320 | | | lbs. |
| Inch 5/8 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | x 5/8 | | |
| 1 foot | 2. | 2.34 | 2.60 | 2.86 | 3.15 | 3.64 | 4.16 | 4.68 | | 5.20 | | 5.72 | 6.25 | 6.77 | 7.29 | 7.81 | | | lbs. |
| 16 feet | 33 | 37 | 42 | 46 | 50 | 58 | 67 | 75 | | 83 | | 91 | 100 | 108 | 116 | 125 | | | lbs. |
| Inch 5/8 x | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/4 | 6 | 6 1/2 | 7 | | 8 | | 9 | 10 | 11 | 12 | x 5/8 | | | |
| 1 foot | 8.33 | 8.85 | 9.37 | 10.41 | 11.45 | 12.50 | 13.54 | 15.62 | | 16.66 | | 18.14 | 20.82 | 22.90 | 25 | | | | lbs. |
| 16 feet | 133 | 141 | 150 | 166 | 182 | 200 | 216 | 232 | | 266 | | 300 | 332 | 364 | 400 | | | | lbs. |
| Inch 3/4 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | x 3/4 | | |
| 1 foot | 2.50 | 2.81 | 3.12 | 3.43 | 3.75 | 4.37 | 5. | 5.62 | | 6.25 | | 6.87 | 7.50 | 8.12 | 8.75 | 9.37 | | | lbs. |
| 16 feet | 40 | 45 | 50 | 55 | 60 | 70 | 80 | 90 | | 100 | | 110 | 120 | 130 | 140 | 150 | | | lbs. |
| Inch 3/4 x | 4 | 4 1/4 | 4 1/2 | 5 | 5 1/4 | 6 | 6 1/2 | 7 | | 8 | | 9 | 10 | 11 | 12 | x 3/4 | | | |
| 1 foot | 10. | 10.62 | 11.25 | 12.50 | 13.75 | 15. | 16.25 | 17.50 | | 20. | | 22.50 | 25. | 26.50 | 30 | | | | lbs. |
| 16 feet | 160 | 170 | 180 | 200 | 220 | 240 | 260 | 280 | | 320 | | 360 | 400 | 440 | 480 | | | | lbs. |
| Inch 7/8 x | 1 | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 2 | 2 1/4 | | 2 1/2 | | 2 3/4 | 3 | 3 1/4 | 3 1/2 | 3 3/4 | x 7/8 | | |
| 1 foot | 2.91 | 3.28 | 3.64 | 4. | 4.37 | 4.73 | 5. | 5.66 | | 6.56 | | 7.29 | 2 1/2 | | 3 1/8 | | | | |
| 16 feet | 47 | 53 | 58 | 64 | 70 | 76 | 80 | 93 | | 105 | | 117 | 128 | | lbs. | | | | |
| Inch 7/8 x | 3 | 3 1/4 | 3 1/2 | 3 3/4 | 4 | 4 1/2 | 5 | 5 1/2 | | 6 | | 6 1/2 | 7 | x 7/8 | | | | | |
| 1 foot | 8.75 | 9.50 | 10.20 | 11. | 11.66 | 13.12 | 15. | 16. | | 17. | | 19. | 20. | | lbs. | | | | |
| 16 feet | 140 | 152 | 163 | 176 | 187 | 210 | 240 | 256 | | 280 | | 304 | 320 | | lbs. | | | | |
| Inch 1 x | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 1 5/8 | 1 3/4 | 2 | 2 1/4 | x 1 | | | | | | | | | | |
| 1 foot | 3.75 | 4.16 | 4.58 | 5. | 5.41 | 5.83 | 6.66 | 7.50 | 8.33 | lbs, | | | | | | | | | |
| 16 feet | 60 | 66 | 73 | 80 | 86.66 | 93 | 107 | 120 | 133 | lbs, | | | | | | | | | |
| Inch 1 x | 2 1/4 | 3 | 3 1/4 | 3 1/2 | 4 | 4 1/4 | 5 | 5 1/4 | 6 | x 1 | | | | | | | | | |
| 1 foot | 9. | 10. | 10.60 | 11.60 | 13. | 15. | 16. | 18. | 20. | lbs. | | | | | | | | | |
| 16 feet | 147 | 160 | 173 | 197 | 213 | 240 | 266 | 292 | 320 | lbs. | | | | | | | | | |

.....Each $8.50

.....Each $ 9.25

.....Each 10.75

## HALF ROUND, OVAL AND HALF OVAL IRON

WEIGHT PER LINEAL FOOT.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Inch ..... | 3-8x3-16 | 7-16x7-32 | 1-2x1-4 | 5-8x5-16 | 3-4x3-8 | 7-8x7-16 | 1x1-2 | 1 1-8x9-16 | 1 1-4x5-8 | 1 1-2x3-4 |
| Half Round & Oval | .186 | .253 | .331 | .517 | .744 | 1. | 1.32 | 1.62 | 2. | 3. lbs. |
| Inch ..... | 3-8x3-32 | 7-16x7-64 | 1-2x1-8 | 5-8x5-32 | 3-4x3-16 | 7-8x7-32 | 1x1-4 | 1 1-8x9-32 | 1 1-4x5-16 | 1 1-2x3-16 |
| Half Oval..... | .093 | .13 | .17 | .26 | .37 | .50 | .66 | .81 | 1. | 1.50 lbs. |

## Angle Iron

EQUAL LEGS—WITH FILLET.

| SIZE. | Weight Per Foot. | Thickness of Web. |
|---|---|---|
| Inches. | Pounds. | Inches. |
| 4 x 4 | 11 to 16 | 7-16 |
| 3 1-2 x 3 1-2 | 9 to 12 | 13-32 |
| 3 1-4 x 3 1-4 | 8 to 11 | 13-32 |
| 3 x 3 | 7 to 10 | 3-8 |
| 2 3-4 x 2 3-4 | 6 to 10 | 11-32 |
| 2 1-2 x 2 1-2 | 5 to 8 | 9-32 |
| 2 1-4 x 2 1-4 | 4 to 6 | 1-2 |
| 2 x 2 | 3 to 5 | 1-2 |
| 1 3-4 x 1 3-4 | 2 1-4 to 4 1-2 | 7-32 |
| 1 1-2 x 1 1-2 | 1 3-4 to 2 1-4 | 3-16 |
| 1 1-4 x 1 1-4 | 1 1-2 to 2 | 3-16 |
| 1 1-8 x 1 1-8 | 1 1-2 to 1 3-4 | 3-16 |
| 1 x 1 | 1 to 1 1-4 | 5-32 |

UNEQUAL LEGS—WITH FILLET.

| SIZE. | Weight Per Foot. | Thickness of Web. |
|---|---|---|
| Inches. | Pounds. | Inches. |
| 6 x 4 | 16 2-3 | 1-2 |
| 5 x 4 | 14 1-4 to 20 | 17-32 |
| 5 x 3 1-2 | 13 3-4 to 19 | 17-32 |
| 5 x 3 | 13 1-4 | 1-2 |
| 4 x 3 | 8 1-2 to 12 | 1-2 |
| 3 1-2 x 3 | 7 2-3 to 10 1-3 | 13-32 |
| 3 1-4 x 2 | 6 1-2 to 8 | 7-16 |
| 3 1-4 x 2 Obtuse | 5 9-10 | 7-16 |

## Standard Sizes and Weight of Angle Iron

WITH FILLET.

| SIZE IN INCHES. | Average Thickness in Inches. | Weight Per Foot in Lbs. |
|---|---|---|
| 4 x 4 | 1-2 | 13 |
| 3 1-2 x 3 1-2 | 7-16 | 10 |
| 3 x 3 | 3-8 | 7 1-2 |
| 2 1-2 x 2 1-2 | 11-32 | 5 3-4 |
| 2 1-2 x 2 1-2 | 5-16 | 4 3-4 |
| 2 1-4 x 2 1-4 | 11-32 | 4 |
| 2 x 2 | 11-32 | 3 3-4 |
| 1 3-4 x 1 3-4 | 5-16 | 3 |
| 1 1-2 x 1 1-2 | 1-4 | 2 1-4 |
| 1 1-4 x 1 1-4 | 7-32 | 1 1-2 |
| 1 x 1 | 1-8 | .83 |

## I Beams

| DEPTH. | DESCRIPTION. | WEIGHT PER FOOT. | FLANGES. | | WEB. | | AREA OF CROSS-SECTION. |
|---|---|---|---|---|---|---|---|
| | | | Width. | Average Thickness. | Thickness. | Effective Depth. | |
| Ins. | | Lbs. | Ins. | Ins. | Ins. | Ins. | Sq. In. |
| 15 | Heavy... | 67 | 5.5 | 1.09 | .65 | 13.91 | 20.10 |
| 15 | Light.... | 50 | 5.0 | .94 | .44 | 14.06 | 15.00 |
| 12 | Heavy... | 60 | 5.15 | 1.00 | .78 | 11.00 | 18.00 |
| 12 | Light.... | 42 | 4.5 | .81 | .52 | 11.19 | 12.60 |
| 10 | Heavy... | 38 | 4.5 | .81 | .51 | 9.19 | 11.40 |
| 10 | Light.... | 30 | 4.3 | .75 | .32 | 9.25 | 9.00 |
| 9 | Heavy... | 30 | 4.34 | .75 | .35 | 8.25 | 9.00 |
| 9 | Light.... | 23 3-4 | 4.06 | .66 | .26 | 8.34 | 7.13 |
| 8 | Heavy... | 27 | 4.0 | .72 | .36 | 7.28 | 8.10 |
| 8 | Light.... | 22 | 3.75 | .63 | .28 | 7.37 | 6.61 |
| 7 | Heavy... | 20 | 3.63 | .63 | .26 | 6.37 | 6.00 |
| 7 | Light.... | 18 | 3.56 | .63 | .18 | 6.37 | 5.41 |
| 6 | Heavy... | 16 | 3.38 | .56 | .24 | 5.44 | 4.81 |
| 6 | Light.... | 13 1-2 | 3.22 | .50 | .20 | 5.50 | 4.05 |
| 5 | Heavy... | 12 | 2.88 | .38 | .35 | 4.62 | 3.60 |
| 5 | Light.... | 10 | 2.75 | .38 | .23 | 4.62 | 3.00 |
| 4 | Heavy... | 10 | 2 63 | .34 | .39 | 3.67 | 3.00 |
| 4 | Light.... | 8 | 2.50 | .34 | .24 | 3.67 | 2.40 |
| 3 | Heavy... | 8 | 2.34 | .34 | .34 | 2.66 | 2.40 |
| 3 | Light.... | 7 | 2.25 | .34 | .24 | 2.66 | 2.10 |

## Channel Bars

| DEPTH. | DESCRIPTION. | WEIGHT PER FOOT. | FLANGES. | | WEB. | | AREA OF CROSS-SECTION. |
|---|---|---|---|---|---|---|---|
| | | | Width. | Average Thickness. | Thickness. | Effective Depth. | |
| | | Lbs. | Ins. | Ins. | Ins. | Ins. | Sq. In. |
| 12 | Heavy ... | 50 | 3.2 | .78 | .95 | 11.22 | 15.01 |
| 12 | Medium.. | 30 | 2.7 | .78 | .45 | 11.22 | 9.00 |
| 12 | Light .... | 20 3-4 | 3.0 | .41 | .31 | 11.59 | 6.25 |
| 10 | Heavy ... | 35 | 2.97 | .72 | .72 | 9.28 | 10 50 |
| 10 | Medium.. | 23 | 2.61 | .72 | .36 | 9.28 | 6.90 |
| 10 | Light .... | 15 2-3 | 2.5 | .34 | .31 | 9.66 | 4.62 |
| 9 | Heavy ... | 30 | 2.83 | .63 | .7 | 8.37 | 9.00 |
| 9 | Medium.. | 18 | 2.43 | .63 | .3 | 8.37 | 5.40 |
| 9 | Light .... | 14 1-3 | 2.5 | .34 | .31 | 8.66 | 4.30 |
| 8 | Heavy ... | 25 | 2.64 | .59 | .64 | 7 41 | 7 50 |
| 8 | Medium.. | 16 | 2.3 | .59 | .30 | 7.81 | 4.80 |
| 8 | Light .... | 12 1-2 | 2.0 | .47 | .26 | 7.53 | 3.75 |
| 7 | Heavy ... | 20 | 2.55 | .53 | .55 | 6.47 | 6.00 |
| 7 | Medium.. | 14 | 2.29 | .53 | .30 | 6.47 | 4.21 |
| 7 | Light .... | 10 1-2 | 1.98 | .44 | .22 | 6.56 | 3.18 |
| 6 | Heavy ... | 11 | 2.00 | .50 | .25 | 5.50 | 3.30 |
| 6 | Light .... | 7 1-2 | 1.75 | .34 | .19 | 5.66 | 2.25 |
| 5 | Heavy ... | 10 | 2.00 | .50 | .30 | 4.50 | 3.00 |
| 5 | Light .... | 6 1-2 | 1.55 | .37 | .18 | 4.63 | 1.95 |
| 4 | Heavy ... | 7 3-4 | 1.78 | .41 | .28 | 3.59 | 2.33 |
| 4 | Light .... | 6 | 1.54 | .34 | .23 | 3.66 | 1.80 |
| 3 | Heavy ... | 6 | 1.71 | .34 | .4 | 2.66 | 1.80 |
| 3 | Light .... | 5 | 1.5 | .34 | .2 | 2.66 | 1.50 |

## WEIGHT OF TEN FEET OF HOOP IRON

IN POUNDS AND DECIMALS AND ORDINARY THICKNESS ON THE OLD WIRE GAUGE

| WIDTH AND W. G. | WEIGHT. | WIDTH AND W. G. | WEIGHT. | WIDTH AND W. G. | WEIGHT. |
|---|---|---|---|---|---|
| 1-2 x 20 | .550 | 1 1-2 x 16 | 3.12 | 3 x 14 | 7.80 |
| 5-8 x 20 | .685 | 1 5-8 x 16 | 3.35 | 3 1-4 x 13 | 10.10 |
| 3-4 x 20 | .885 | 1 3-4 x 15 | 4.00 | 3 1-2 x 13 | 10.80 |
| 7-8 x 19 | 1.24 | 1 7-8 x 15 | 4.35 | 3 3-4 x 13 | 11.60 |
| 1 x 18 | 1.55 | 2 x 15 | 4.70 | 4 x 12 | 14.60 |
| 1 1-8 x 17 | 2.04 | 2 1-4 x 15 | 5.25 | 4 1-2 x 11 | 18.75 |
| 1 1-4 x 17 | 2.27 | 2 1-2 x 14 | 6.50 | 5 x 10 | 23.40 |
| 1 3-8 x 16 | 2.86 | 2 3-4 x 14 | 7.15 | 6 x 10 | 28.10 |

## Band Iron

Rolled to 10 Gauge (Imperial Standard) = .128 Inch.

APPROXIMATE NUMBER OF FEET IN 100 POUNDS.

| Inches | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 3-8 | 1 1-2 | 1 3-4 | 2 | 2 1-4 | 2 1-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Feet | 292 | 263 | 234 | 208 | 188 | 170 | 156 | | 117 | 104 | 94 |
| Inches | 2 3-4 | 3 | 3 1-4 | 3 1-2 | 3 3-4 | 4 | 4 1-2 | 5 | 5 1-2 | 6 | |
| Feet | 85 | 78 | 72 | 67 | 62 | 58 | 52 | 47 | 42 | 39 | |

## Weight of One Foot of Bar Steel

IN POUNDS AND DECIMALS.

| INCHES. | SQUARE. | ROUND. | OCTAGON. |
|---|---|---|---|
| 1-4 | .213 | .166 | ..... |
| 3-8 | .479 | .375 | ..... |
| 1-2 | .855 | .667 | .84 |
| 5-8 | 1.33 | 1.04 | 1.28 |
| 3-4 | 1.91 | 1.50 | 1.75 |
| 7-8 | 2.61 | 2.05 | 2.25 |
| 1 | 3.40 | 2.67 | 2.75 |
| 1 1-8 | 4.34 | 3.38 | 3 66 |
| 1 1-4 | 5.32 | 4.17 | 4.55 |
| 1 3-8 | 6.44 | 5.05 | 5.50 |
| 1 1-2 | 7.67 | 6.00 | 6.45 |
| 1 5-8 | 9.00 | 7.05 | 7.75 |
| 1 3-4 | 10.44 | 8.17 | 9.20 |
| 1 7-8 | 11.98 | 9.38 | 10.04 |
| 2 | 13 63 | 10.68 | 11.60 |
| 2 1-4 | 17.20 | 13.51 | 14.75 |
| 2 1-2 | 21.20 | 16.68 | 17.85 |
| 2 3-4 | 25.70 | 20.19 | 21.25 |
| 3 | 30.60 | 24.03 | 25.00 |
| 3 1 4 | 35.90 | 28.20 | ..... |
| 3 1-2 | 41.65 | 32.70 | ..... |
| 4 | 54.40 | 42.72 | ..... |
| 4 1-2 | 68.85 | 54.06 | ..... |
| 5 | 85.00 | 66.75 | ..... |

## Weight of One Foot of Bar Copper

IN POUNDS AND DECIMALS.

| INCHES. | SQUARE. | ROUND. |
|---|---|---|
| 1-16 | .015 | .011 |
| 1-8 | .06 | .046 |
| 3-16 | .134 | .105 |
| 1-4 | .235 | .187 |
| 5-16 | .375 | .295 |
| 3-8 | .54 | .424 |
| 7-16 | .735 | .575 |
| 1-2 | .960 | .75 |
| 9-16 | 1.21 | .95 |
| 5-8 | 1.51 | 1.17 |
| 11-16 | 1.81 | 1.42 |
| 3-4 | 2.15 | 1.7 |
| 7-8 | 2.95 | 2.3 |
| 1 | 3.84 | 3.01 |
| 1 1-8 | 4.86 | 3.85 |
| 1 1-4 | 6.00 | 4.73 |
| 1 3-8 | 7.27 | 5.70 |
| 1 1-2 | 8.64 | 6.80 |
| 1 3-4 | 11.70 | 9.24 |
| 2 | 15.35 | 12.01 |
| 2 1-2 | ..... | 18.916 |
| 3 | ..... | 27.243 |
| 3 1-2 | ..... | 37.080 |
| 4 | ..... | 48.438 |

## Melting Point of Metals

| NAME. | ‡ FAHRENHEIT. | * FAHRENHEIT. | AUTHORITY. |
|---|---|---|---|
| Platinum | 4598° | ... | |
| Antimony | 955 | 842° | ‡J. LOWTHIAN BELL. |
| Bismuth | 487 | 507 | |
| Tin (average) | 475 | ... | |
| Lead (average) | 622 | 620 | |
| Zinc | 772 | 782 | |
| Cast Iron | 2010 | 1922 – 2012 White<br>2062 – 2192 Gray | *POUILLET. |
| Wrought Iron | 2910 | 2733 Welding heat | |
| Steel | 2370 | 2550 | |
| Copper (average) | 2174 | | |

## WEIGHT OF 1 SQUARE FOOT OF METALS

Advancing in Thickness by Sixteenths of an Inch.

| Thickness. | Wro't Iron. Specific weight =1. | Cast Iron Specific weight =.9375. | Steel. Specific weight =1.02. | Copper Specific weight. =1.16 | Tin. Specific weight =1.092. | Zinc. Specific weight. =.910. | Brass. Specific weight. =1.052. | Gun Metal. Specific weight. =1.052. | Lead. Specific weight. =1.48. |
|---|---|---|---|---|---|---|---|---|---|
| Inch. | lbs. | lbs. | lbs. | lbs. | lbs | lbs. | lbs. | lbs. | lbs. |
| 1-16 | 2.50 | 2.34 | 2 55 | 2.89 | 2.41 | 2.28 | 2.68 | 2.73 | 3.71 |
| 1-8 | 5.00 | 4.69 | 5.10 | 5.79 | 4 81 | 4.55 | 5.26 | 5.46 | 7.41 |
| 3-16 | 7.50 | 7.03 | 7.65 | 8.68 | 7.22 | 6.84 | 7.89 | 8.19 | 11.1 |
| 1-4 | 10.0 | 9.38 | 10.2 | 11.6 | 9.63 | 9.10 | 10.5 | 10.9 | 14.8 |
| 5-16 | 12.5 | 11.7 | 12.8 | 14.5 | 12.0 | 11.4 | 13.2 | 13.7 | 18.5 |
| 3-8 | 15.0 | 14.1 | 15.3 | 17.4 | 14.4 | 13.7 | 15.8 | 16.4 | 22.2 |
| 7-16 | 17.5 | 16.4 | 17.9 | 20.3 | 16.8 | 15.9 | 18.4 | 19.1 | 25.9 |
| 1-2 | 20.0 | 18.7 | 20.4 | 23.2 | 19.3 | 18.2 | 21.1 | 21.9 | 29.7 |
| 9-16 | 22.5 | 21.1 | 23.0 | 26.0 | 21.7 | 20.5 | 23.7 | 24.6 | 33.4 |
| 5-8 | 25.0 | 23.5 | 25 5 | 28.9 | 24.1 | 22.8 | 26.3 | 27.3 | 37.1 |
| 11-16 | 27.5 | 25.8 | 28.1 | 31.8 | 26.5 | 25.0 | 28.9 | 30.0 | 40 8 |
| 3-4 | 30.0 | 28.1 | 30.6 | 34.7 | 28.9 | 27.3 | 31.6 | 32.8 | 44.5 |
| 13-16 | 32.5 | 30.5 | 33.2 | 37.6 | 31.3 | 29.6 | 34.2 | 35.0 | 48.2 |
| 7-8 | 35.0 | 32.8 | 35.7 | 40.5 | 33.7 | 31.9 | 36.8 | 38.2 | 51.9 |
| 15-16 | 37.5 | 35.2 | 38.3 | 43.4 | 36.1 | 34.0 | 39.5 | 41.0 | 55.6 |
| 1 | 40.0 | 37.5 | 40.8 | 46.3 | 38.5 | 36.4 | 42.1 | 43.7 | 59.3 |

## Weight of Cast Iron Pipe per Lineal Foot

| Internal Diameter in Inches | Thickness in Inches. 1-4 | 3-8 | 1-2 | 5-8 | 3-4 | 7-8 | 1 | 1 1-8 | 1 1-4 | 1 1-2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | lbs. | lbs. | lbs. | lbs. | lbs. | lbs. | lbs. | lbs. | lbs. | lbs. |
| 2 | 5.52 | 8.74 | 12.27 | 16.11 | 20.25 | 24.70 | 29.45 | 34.52 | 39.88 | 51.54 |
| 2 1-2 | 6.75 | 10.58 | 14.73 | 19.18 | 23.95 | 28.99 | 34.36 | 40.04 | 46.02 | 58.90 |
| 3 | 7.93 | 12.43 | 17.18 | 22.24 | 27.61 | 32.49 | 39 27 | 45.56 | 52.16 | 66.27 |
| 3 1-2 | 9.20 | 14.27 | 19.64 | 25.31 | 31.29 | 37.58 | 44.18 | 51.08 | 58.29 | 73.63 |
| 4 | 10.43 | 16.11 | 22.09 | 28.38 | 34.98 | 41.88 | 49.09 | 56.60 | 64.43 | 80.99 |
| 4 1-2 | 11.66 | 17.95 | 24.54 | 31.45 | 38.66 | 46.18 | 55.00 | 62.13 | 70.56 | 88.36 |
| 5 | 12.89 | 19.79 | 27.00 | 34.52 | 42.34 | 50.47 | 58.91 | 67.65 | 76.70 | 95.72 |
| 5 1-2 | 14.11 | 21.63 | 29.45 | 37.58 | 46.02 | 54.76 | 63.81 | 73.17 | 82.84 | 103.08 |
| 6 | 15.34 | 23.47 | 31.91 | 40.65 | 49.70 | 59.06 | 68.72 | 78.69 | 88.97 | 110.45 |
| 7 | 17.79 | 27.15 | 36.82 | 46.79 | 57.06 | 67.65 | 78.54 | 89.74 | 101.25 | 117.20 |
| 8 | 20.25 | 30.83 | 41.72 | 52.92 | 64.43 | 76.24 | 88.36 | 100.78 | 113.52 | 125.17 |
| 9 | 22.70 | 34.52 | 46.63 | 59.06 | 71.79 | 84.83 | 98.18 | 111.83 | 125.79 | 139.90 |
| 10 | 25.16 | 38.20 | 51.54 | 65.19 | 79.15 | 93.42 | 107.99 | 122.87 | 138.06 | 154.63 |
| 11 | 27.61 | 41.88 | 56.45 | 71.33 | 86.52 | 102.01 | 117 81 | 133.92 | 150.33 | ..... |
| 12 | 30.07 | 45.56 | 61.36 | 77.47 | 93.88 | 110.60 | 127 63 | 144.96 | 162.60 | ..... |
| 13 | 32.52 | 49.24 | 66.27 | 83.60 | 101.24 | 119.19 | 137 45 | 156.01 | 174.87 | ..... |
| 14 | 34.98 | 52.92 | 71.18 | 89.74 | 108.61 | 127.78 | 147.26 | 167.05 | 187.15 | ..... |
| 15 | .... | 56.60 | 76.09 | 95.87 | 115.97 | 136.37 | 157 08 | 178.10 | 199.42 | ..... |
| 16 | .... | 60.29 | 80 99 | 102.01 | 123.33 | 144.96 | 166 90 | 189.14 | 211.69 | ..... |
| 18 | .... | 67.65 | 90.81 | 114.28 | 138.06 | 162.14 | 186.53 | 211.23 | 236.23 | ..... |
| 20 | .... | ..... | 100.63 | 126.55 | 152.79 | 179.32 | 206.17 | 233.32 | 260.78 | ..... |
| 23 | .... | ..... | 110.45 | 138.33 | 167.51 | 196.50 | 225.80 | 255.41 | 285.32 | ..... |
| 24 | .... | ..... | 120.26 | 151.10 | 182.24 | 213.68 | 245.44 | 277.50 | 309.87 | ..... |

## Sizes of the Numbers of Steel Music Wire Gauge

In Decimals of an Inch.

Darling, Brown & Sharp's Gauge.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. 12 | 0.0295 | No. 17 | 0.0378 | No. 21 | 0.0461 | No. 25 | 0.0585 |
| No. 13 | 0.0311 | No. 18 | 0 0395 | No. 22 | 0.0481 | No. 26 | 0.0626 |
| No. 14 | 0.0325 | No. 19 | 0.0414 | No. 23 | 0 0506 | No. 27 | 0.0663 |
| No. 15 | 0.0343 | No. 20 | 0.0430 | No. 24 | 0.0547 | No. 28 | 0.0719 |
| No. 16 | 0.0359 | | | | | | |

## MANILLA CORDAGE, ROPES AND CABLES

SISAL AND JUTE ABOUT SAME WEIGHT AS MANILLA.

| CIRCUMFERENCE. | DIAMETER. | WEIGHT OF 100 FATHOMS. | FEET IN ONE POUND. | STRAIN BORNE BY NEW ROPES. | Tarred Hemp, Weight of 100 Fathoms. |
|---|---|---|---|---|---|
| Inches. | Inches. | Pounds. | | Pounds. For ropes in use deduct 1-2 from these figures to allow for chafing, etc. | Pounds. |
| 1 1-4 | 3-8 | 31 | 20 | 3000 | 40 |
| 1 1-2 | 1-2 | 44 | 14 | 4000 | 55 |
| 1 3-4 | 9-16 | 60 | 10 | 5000 | 75 |
| 2 | 5-8 | 79 | 7 1-2 | 6000 | 100 |
| 2 1-4 | 3-4 | 99 | 6 | 7000 | 125 |
| 2 1-2 | 13-16 | 122 | 5 | 8500 | 155 |
| 2 3-4 | 7-8 | 146 | 4 | 9500 | 190 |
| 3 | 1 | 178 | 3 3-8 | 11000 | 225 |
| 3 1-4 | 1 1-16 | 207 | 3 | 12500 | 265 |
| 3 1-2 | 1 1-8 | 240 | 2 1-2 | 14000 | 300 |
| 3 3-4 | 1 1-4 | 275 | 2 1-6 | 16000 | 355 |
| 4 | 1 5-16 | 305 | 2 | 20000 | 405 |
| 4 1-4 | 1 3-8 | 355 | 1 2-3 | 24000 | 455 |
| 4 1-2 | 1 1-2 | 395 | 1 1-2 | 27000 | 500 |
| 5 | 1 5-8 | 490 | 1 1-4 | 31500 | 650 |
| 5 1-2 | 1 3-4 | 595 | 1 | 37000 | 750 |
| 6 | 2 | 705 | Inches. 10 | 42500 | 910 |
| 6 1-2 | 2 1-8 | 825 | 8 1-2 | 48500 | 1050 |
| 7 | 2 1-4 | 960 | 7 1-2 | 54500 | 1235 |
| 7 1-2 | 2 1-2 | 1100 | 6 1-2 | 61500 | 1400 |
| 8 | 2 5-8 | 1255 | 5 1-2 | | 1600 |
| 8 1-2 | 2 7-8 | 1415 | 5 | | 1820 |
| 9 | 3 | 1585 | 4 1-2 | | 2050 |

To ascertain the strength of ropes multiply the square of the circumference in inches by 200 and it gives the weight the rope will bear in pounds with safety.

To ascertain the weight of manilla ropes and hawsers, multiply the square of the circumference in inches by .03, and the product is the weight in pounds of a foot in length.

These are but approximations sufficiently correct for m[illegible] purposes.

### Approximate Weight of 100 Machine Bolts of the enumerated sizes, with Square Heads and Nuts, in Pounds

| LENGTH. | 1-4 in. | 5-16 | 3-8 in. | 7-16 in. | 1-2 in. | 5-8 in. | 3-4 in. | 7-8 in. |
|---|---|---|---|---|---|---|---|---|
| 1 1-2 inch | 4.2 | 7.6 | 10.6 | 15.9 | 23.9 | 39.3 | .... | .... |
| 1 3-4 " | 4.2 | 7.9 | 11.7 | 16.9 | 25.1 | 41.4 | .... | .... |
| 2 " | 4.7 | 8.6 | 12.4 | 18.2 | 26.4 | 45.7 | 78.6 | .... |
| 2 1-4 " | 5.8 | 9.1 | 12.9 | 19.4 | 28.6 | 49.5 | 76. | .... |
| 2 1-2 " | 6.0 | 9.6 | 14.7 | 20.7 | 29.5 | 51.2 | 79.7 | .... |
| 2 3-4 " | 6.5 | 10.4 | 16.5 | 21.5 | 31.2 | 53. | 83. | .... |
| 3 " | .... | 10.8 | 17.9 | 22 4 | 33.4 | 56. | 85.4 | 127.2 |
| 3 1-2 " | .... | 11.8 | 18.9 | 26.2 | 39.7 | 68.1 | 93.4 | 140.6 |
| 4 " | .... | .... | 20.6 | 28.9 | 42.5 | 67.9 | 108.1 | 148.4 |
| 4 1-2 " | .... | .... | 21.7 | 29.9 | 44.9 | 79.6 | 113.1 | 158.8 |
| 5 " | .... | .... | 23.6 | 32 3 | 48.8 | 83. | 122. | 167.2 |
| 5 1-2 " | .... | .... | 25.8 | 34.4 | 51.4 | 87.9 | 128.6 | 174.9 |
| 6 " | .... | .... | 26 9 | 36.6 | 56.8 | 92.4 | 131.7 | 204.2 |
| 6 1-2 " | .... | .... | .... | .... | 56.9 | 96.9 | 139.6 | 214.7 |
| 7 " | .... | .... | .... | .... | 59.1 | 99.9 | 145.5 | 228.4 |
| 7 1-2 " | .... | .... | .... | .... | 61.0 | 105.7 | 150.9 | 235 3 |
| 8 " | .... | .... | .... | .... | 64.4 | 109.5 | 157.1 | 239.9 |
| 9 " | .... | .... | .... | .... | 70.5 | 118.1 | 179.6 | 258.1 |
| 10 " | .... | .... | .... | .... | 77. | 128.1 | 184. | 276.2 |
| 11 " | .... | .... | .... | .... | 82 9 | 136 2 | 195.1 | 295 7 |
| 12 " | .... | .... | .... | .... | 86.4 | 144.9 | 209.7 | 311.9 |
| 13 " | .... | .... | .... | .... | 92. | 155.5 | 219.4 | 335.8 |
| 14 " | .... | .... | .... | .... | 97.7 | 168.6 | 237.5 | 351.9 |
| 15 " | .... | .... | .... | .... | 103.2 | 170.7 | 249.1 | 391.7 |

## LONG MEASURE

| Inches. | Feet. | Yards. | Fathoms. | Poles. | Furlongs. | Miles. | French Metres. |
|---|---|---|---|---|---|---|---|
| 1. = | .083 = | .02778 = | .0139 = | .005 = | .000126 = | .0000158 = | .0254 |
| 12. | 1. | .333 | .1667 | .0606 | .00151 | .0001894 | .3048 |
| 36. | 3. | 1 | .5 | .182 | .00454 | .000568 | .9144 |
| 72. | 6. | 2. | 1 | .364 | .0091 | .001136 | 1.8287 |
| 198. | 16.5 | 5.5 | 2.75 | 1. | .025 | .003125 | 5.0291 |
| 7920. | 660. | 220 | 110. | 40. | 1. | .125 | 201.16 |
| 63360. | 5280. | 1760. | 880. | 320. | 8. | 1. | 1609.315 |

A palm = 3 inches.
A span = 9 inches.

A hand = 4 inches.
A cable's length = 120 fathoms.

## Avoirdupois Weight

The Grain is the same in Troy, Apothecaries and Avoirdupois Weights.

The standard Avoirdupois Pound is the weight of 27.7015 Cubic Inches of distilled water weighed in the air, at 35.85 degrees Fahrenheit, barometer at 30 inches.

27.343 Grains = 1 Drachm.

| Drachms. | Ozs. | Lbs. | Qrs. | Cwts. | Ton. | French Grammes. |
|---|---|---|---|---|---|---|
| 1. = | .0625 = | .0039 = | .000139 = | .000035 = | .00000174 = | 1.771846 |
| 16. | 1. | .0625 | .00223 | .000558 | .000028 | 28.34954 |
| 256. | 16. | 1. | .0357 | .00893 | .000447 | 453.59 |
| 7168 | 448. | 28. | 1. | .25 | .0125 | 12700. |
| 28672. | 1792. | 112. | 4. | 1. | .05 | 50802. |
| 573440. | 35840. | 2240. | 80. | 20. | 1. | 1016040. |

A stone = 14 pounds.

A quintal = 100 pounds.

## Troy Weight

For Gold, Silver and Precious Metals.

| Grains. | Dwts. | Ozs. | Lbs. | French Grammes. |
|---|---|---|---|---|
| 1. = | .04167 = | .00208 = | .0001736 = | .0648 |
| 24. | 1. | .05 | .004167 | 1.555 |
| 480. | 20. | 1. | .0833 | 31.1035 |
| 5760. | 240. | 12. | 1. | 373.242 |

175 pounds Troy = 144 Avoirdupois.
Pounds Avoirdupois × .82286 = pounds Troy.
Pounds Troy × 1.2153 = pounds Avoirdupois.

The jeweller's Carat is equal, in the United States to 3.2 grains; in London, to 3.17 grains; in Paris, to 3.18

## Apothecaries' Weight

United States and British.

20 grains ....1 scruple.
3 scruples ..1 drachm = 60 grs.
8 drachms..1 ounce = 24 scrs. = 480 grs.
12 ounces....1 pound = 96 drms. = 288 scrs. = 5760 grs.

In Troy and Apothecaries' Weights the grain, ounce and pound are the same.

## French Weights

EQUIVALENT TO AVOIRDUPOIS.

| | Grains. | Ozs. | Lbs. | Tons, 2240 lbs. |
|---|---|---|---|---|
| Milligramme | .015433 | ..... | ..... | ..... |
| Centigramme | .154331 | .000352 | .000022 | ..... |
| Decigramme | 1.54331 | .003527 | .000220 | ..... |
| Gramme | 15.4331 | .035275 | .002204 | ..... |
| Decagramme | 154.331 | .352758 | .022047 | ..... |
| Hectogramme | 1543.31 | 3.52758 | .220473 | ..... |
| Kilogramme | 15433.1 | 35.2758 | 2.20473 | .000098 |
| Myriogramme | ..... | 352.758 | 22.0473 | .000984 |
| Quintal | ..... | 3527.58 | 220.473 | .009842 |
| Millier or Tonne | ..... | 35275.8 | 2204.73 | .098425 |
| | | | | .984258 |

## Specific Gravity and Weights of Various Substances

| Name of Substance. | Weights. Per Cubic Foot. | Per Square Foot, 1 Inch Thick. | Per Cubic Inch. | Specific Gravity. |
|---|---|---|---|---|
| Water, Pure | LBS. 62.3 | LBS. 5.19 | LBS. .036 | 1.000 |
| Water, Sea | 64.3 | 5.36 | .037 | 1.028 |
| Wrought Iron | 480. | 40.00 | .277 | 7.70 |
| Cast Iron | 450. | 37.50 | .260 | 7.20 |
| Steel | 490. | 40.84 | .283 | 7.84 |
| Lead | 710. | 59.16 | .410 | 11.36 |
| Copper, Rolled | 548. | 45.66 | .317 | 8.80 |
| Brass, Rolled | 524. | 43.66 | .302 | 8.40 |
| Sand | 98. | 8.23 | .057 | 1.57 |
| Clay | 120. | 10.00 | .069 | 1 92 |
| Brick Work, Common | 120. | 10.00 | .069 | 1.92 |
| Brick Work, Close Joints | 140. | 11.66 | .081 | 2.24 |
| Limestone | 168. | 18.00 | .124 | 2 68 |
| Glass | 156. | 13.00 | .090 | 2.49 |
| Pine, White | 30. | 2.50 | .017 | .48 |
| Pine, Yellow | 35. | 2.91 | .019 | .56 |
| Hemlock | 25. | 2.08 | .015 | .40 |
| Maple | 49. | 4.08 | .028 | .78 |
| Oak, White | 50. | 4.16 | .030 | .80 |
| Walnut | 41. | 3.41 | .023 | .65 |

## SQUARE MEASURE

| Inches. | Feet. | Yards. | Perches. | Roods. | Acres. | Sq. Metres. |
|---|---|---|---|---|---|---|
| 1. | = .00694 | = .000772 | = .0000255 | = .00000064 | = .000000159 | = .000645 |
| 144. | 1. | .111 | .00367 | .0000918 | .000023 | .0929 |
| 1296. | 9. | 1. | .0331 | .000826 | .0002066 | .8361 |
| 39204. | 272.25 | 30.25 | 1. | .025 | .00625 | 25.292 |
| 1568160. | 10890. | 1210. | 40. | 1. | .25 | 1011.7 |
| 6272640. | 43560. | 4840. | 160. | 4. | 1. | 4046.7 |

| | | |
|---|---|---|
| 100 Square Feet | = | 1 Square. |
| 10 Square Chains | = | 1 Acre. |
| 1 Chain Wide | = | 8 Acres per Mile. |
| 1 Hectare | = | 2.471143 Acres. |
| 1 Square Mile | = | 27,878,400 Square Feet. |
| | = | 3,097,600 Square Yards. |
| | = | 640 Acres. |

| | | | | |
|---|---|---|---|---|
| Acres | × | .0015625 | = | Square Miles. |
| Square Yards | × | .000000323 | = | Square Miles. |
| Acres | × | 4840 | = | Square Yards. |
| Square Yards | × | .0002066 | = | Acres. |

A Section of Land is 1 Mile Square and contains 640 Acres.
A Square Acre is 208.71 Feet at Each Side; or 220 × 198 Feet.
A Square ½ Acre is 147.58 Feet at Each Side; or 110 × 198 Feet.
A Square ¼ Acre is 104.355 Feet at Each Side; or 55 × 198 Feet.
A Circular Acre is 235.504 Feet in Diameter.
A Circular ½ Acre is 166.527 Feet in Diameter.
A Circular ¼ Acre is 117.752 Feet in Diameter.

## French Square Measure

| Square. | Square Inches. | Square Feet. | Square Yards. | Acres. |
|---|---|---|---|---|
| Millimetre..... | .00154 | .0000107 | .000001 | ..... |
| Centimetre..... | .15498 | .0010763 | .000119 | ..... |
| Decimetre ..... | 15.498 | .1076305 | .011958 | ..... |
| Metre..... | 1549.8 | 10.76305 | 1.19589 | ..... |
| Decametre..... | 154988. | 1076.305 | 119.589 | .000247 |
| Hectare ..... | ..... | 107630.58 | 11958.95 | .624709 |
| Kilometre..... | .38607 Sq. Miles | 10763058. | 1195895. | 2.47086 |
| Myriametre .... | 38.607 Sq. Miles | ..... | ..... | 247.086 |
| | | | | 24708.6 |

## Cubic Measure

| Inches. | Feet. | Yard. | Cubic Metres. |
|---|---|---|---|
| 1. | = .0005788 | = .000002144 | = .000016386 |
| 1728. | 1. | .03704 | .028315 |
| 46656. | 27. | 1 | .764513 |

A cord of wood = 128 cubic feet, being four feet high, four feet wide, and eight feet long.
Forty cubic feet = a ton of shipping.
A perch of masonry contains 24 3-4 cubic feet.

## Cubic Foot is Equal to

1728 cubic inches.
.037037 cubic yard.
.803564 U.S. struck bushel of 2150.42 cubic inches.
3.21426 U.S. pecks.
7.48052 U.S. liquid gallons of 231 cubic inches.
6.42851 U.S. dry gallons of 268.8025 cubic inches.
29.92208 U.S. liquid quarts.

25.71405 U.S. dry quarts.
59.84416 U.S. liquid pints.
51.42809 U.S. dry pints.
239.37662 U.S. gills.
.26667 flour barrel of three struck bushels.
.23748 U.S. liquid barrel of 31 1-2 gallons.

A cubic inch of water at 62° Fahr. weighs 252.458 grains.
A cubic foot of water at 62° Fahr. weighs 1002.7 ounces.
A cubic yard of water at 62° Fahr. weighs 1692. pounds.

## Surveying Measure

(LINEAL.)

| Inches. | Links. | Feet. | Yards. | Chains. | Mile. | Fr. Metres. |
|---|---|---|---|---|---|---|
| 1. | = .126 | = .0833 | = .0278 | = .00126 | = .0000158 | = .0254 |
| 7.92 | 1. | .66 | .22 | .01 | .000125 | .2012 |
| 12. | 1.515 | 1. | .333 | .01515 | .000189 | .3048 |
| 36. | 4.545 | 3. | 1. | .04545 | .000568 | .9144 |
| 792. | 100. | 66. | 22. | 1. | .0125 | 20.116 |
| 63360. | 8000. | 5280. | 1760. | 80. | 1. | 1609.315 |

One knot or geographical mile = 6086.07 feet = 1855.11 metres = 1.1526 statute mile.
One admiralty knot = 1.1515 statute mile = 6080 feet.

## SHRINKAGE OF CASTINGS

Patternmakers' rule should be for

| | |
|---|---|
| Cast Iron | 1-8 |
| Brass | 3-16 |
| Lead | 1-8 |
| Tin | 1-12 |
| Zinc | 3-16 |

of an inch longer per lineal foot.

## To Find the Weight of Casting by the Weight of a Pine Pattern

Multiply the Weight of Pattern by

| | |
|---|---|
| 12 | for Cast Iron. |
| 13 | for Brass. |
| 19 | for Lead. |
| 12.2 | for Tin. |
| 11.4 | for Zinc. |

## Reduction for Round Core and Core Prints

RULE.—Multiply the square of the diameter by the length of the core in inches, and the product by 0.017 is the weight of the pine core, to be deducted from the weight of the pattern.

## General Rules

FOR DETERMINING THE WEIGHT OF ANY PIECE OF WROUGHT IRON.

One cubic foot of wrought iron - - - - - = 480 lbs.
One square foot, one inch thick - - - - = $\frac{480}{12}$ = 40 lbs.
One square inch, one foot long - - - - = $\frac{40}{12}$ = $3\frac{1}{3}$ lbs.
One square inch, one yard long - - - = $3\frac{1}{3}$ x 3 = 10 lbs.

Hence it appears that the weight of any piece of wrought iron in pounds per yard is equal to 10 times its area in square inches.

EXAMPLE.—The area of a bar of 3" x 1" = 3 square inches, and its weight is 30 lbs. per yard.

For round iron the weight per foot may be found by taking the diameter in quarter inches, squaring it and dividing by 6.

EXAMPLE.—What is the weight of 2" round iron?
2" = 8 quarter inches. $8^2 = 64$
$\frac{64}{6} = 10\frac{2}{3}$ lbs. per foot of 2" round.

EXAMPLE.—What is the weight of $\frac{3}{4}$" round iron?
$\frac{3}{4}$" = 3 quarter inches. $3^2 = 9$
$\frac{9}{6} = 1\frac{1}{2}$ lbs. per foot of $\frac{3}{4}$" round.

The above rules are highly convenient, and enable mental calculations of weight to be quickly obtained with accuracy.

## Different Colors of Iron Caused by Heat

POUILLET.

| C. | FAHR. | COLOR. |
|---|---|---|
| 210° | 410° | Pale Yellow. |
| 221 | 430 | Dull Yellow. |
| 256 | 493 | Crimson. |
| 261 | 502 | Violet, Purple and Dull Blue; between 261°C. to 370°C. it passes to Bright Blue, to Sea Green and then disappears. |
| 370 | 680 | |
| 500 | 932 | Commences to be covered with a light coating of oxide; loses a good deal of its hardness, becomes much more impressible to the hammer, and can be twisted with ease. |
| 525 | 977 | Becomes Nascent Red. |
| 700 | 1292 | Sombre Red. |
| 800 | 1472 | Nascent Cherry. |
| 900 | 1657 | Cherry. |
| 1000 | 1832 | Bright Cherry. |
| 1100 | 2012 | Dull Orange. |
| 1200 | 2192 | Bright Orange. |
| 1300 | 2372 | White. |
| 1400 | 2552 | Brilliant White—Welding Heat. |
| 1500 | 2732 | Dazzling White. |
| 1600 | 2912 | |

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